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TWENTY-THIRD

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL,

AT WORCESTER.

DECEMBER, 1855.

BOSTON:

WILLIAM WHITE, PRINTER TO THE STATE.

1856.



OFFICERS OF THE HOSPITAL.

TRUSTEES.

REJOICE NEWTON, President,		Worcester.
LINUS CHILD, Secretary, .		Lowell.
CHARLES H. STEDMAN,		Boston.
WILLIAM T. MERRIFIELD,		Worcester.
THOMAS COLT,		Pittsfield.

TREASURER.

SAMUEL	JENNISON, .			. Worcester.
	OFFICE-SAVINGS	BANK,	FOSTER	STREET.

RESIDENT OFFICERS.

GEORGE CHANDLER, M. D.,			Superintendent.
GEORGE ALLEN,			Chaplain.
MERRICK BEMIS, M. D., .			Assistant Physician.
EDWARD A. SMITH, M. D.,		. {	Assistant Physician and Steward.
ELIZABETH A. REID, .			Matron.
JOHN T. MIRICK,			Supervisor.
PHEBE S. MIRICK,			"



TWENTY-THIRD ANNUAL REPORT

OF THE

TRUSTEES OF THE STATE LUNATIC HOSPITAL,

AT WORCESTER,

1855.

To His Excellency the Governor and the Honorable Council of the Commonwealth of Massachusetts:—

The Trustees of the State Lunatic Hospital at Worcester, in compliance with the statute in such case provided, make their Twenty-third Annual Report.

For a particular account of the internal management, and the number and health of the patients, the Trustees refer to the full and luminous statement of the Superintendent, herewith transmitted.

It having become a settled fact early in the year, that the State would soon erect another hospital in the western part of the Commonwealth, and that ours must remain for a number of years with only such improvements as could be made with the means within the control of the Trustees, they have spent much time in devising the best mode of expending the funds in the hands of their Treasurer, which have grown out of small balances of accounts from year to year.

The Trustees first made two bowling alleys in the basement of the south end of the building. These have been a source of great amusement, and some improvement in health to many; especially when the weather was such as to prevent exercise abroad.

From an examination of several hospitals, and other institutions for the insane, and by inquiries of superintendents, the Trustees became satisfied that strong rooms, enclosed by brick walls and iron gratings, ought but rarely, if ever, to be used, and were dangerous temptations to the officers of such institutions, as a mode of avoiding trouble from violent patients. There were thirty-six such rooms in this Hospital—twenty-four of which the Trustees have caused to be removed, and in their places have been made four large, airy, and handsome parlors or sitting-rooms, finished in a plain but neat style, and commanding extensive views abroad, where the better part of the patients can sit quietly and read or amuse themselves. The six strong rooms remaining in the female department have none of them been occupied during the summer, and those in the male department but rarely. That strong rooms are not often necessary, is proved by the fact, that, in the female department, two small girls of nineteen and twenty years of age, have the superintendence of about a dozen of the most excited patients, and by their resolution and kindness keep them under entire restraint.

The barn on the premises, one hundred feet long and forty feet wide, with high posts, stood within forty feet of the main buildings, greatly exposing them to fire. The piggeries, calculated for the accommodation of one hundred swine, were within about the same distance; in warm weather no care could prevent their becoming a great nuisance. They are all removed to a distance of about twenty rods from the main building, where they are much more commodiously situated than before, and they leave the grounds immediately in the rear of the Hospital in a situation to be easily made nearly as ornamental as they are in front.

The halls in the original building, and in most of the additions which have been made from time to time, were long, narrow, without recesses, and generally dark and gloomy. To remedy these evils, as far as possible, we have, in all the halls, caused recesses to be made on the sides affording the best light, by taking away the partitions between two rooms, and between the rooms and the hall, and throwing an arch over the front to sustain the halls above. These recesses are sixteen feet wide, with two windows in each.

They make the halls comfortably light, and are much occupied by the patients. To partially compensate for the loss of these rooms for lodgings, and to provide associated dormitories for suicidal patients, and those who are afraid to sleep in a room alone, we have caused partitions to be taken out between two rooms in each hall, and have placed three beds in each of the rooms so enlarged.

The before-mentioned improvements are valuable, compared with the expense of them, if pure air, and the comforts and cheerfulness of patients have a tendency to hasten their recovery.

Another more important and more expensive improvement has been commenced, and considerable progress has been made in it—that of warming the building by steam, and forcing ventilation by mechanical power; much in the manner adopted in the hospital at Utica, New York, but with some improvements which the construction of their building did not admit of. Fortunately, our buildings have all been constructed with flues in the walls, by means of which hot or cold air, as the temperature of the weather may require, can be forced into every hall. This will enable us to warm all the air in one large air chamber, and to distribute it as needed in the different apartments. We have much confidence in the success of the plan adopted, and hope we shall be able to carry it through with the funds in our treasury; and we feel the more confidence that we shall be justified in the undertaking, even if we should find it necessary to call on the legislature for a small sum of money when the whole shall be completed, from the fact that a new hospital is soon to be erected in the western part of the State, and if our plan should prove successful, it will enable the committee having that building in charge, so to construct it as to avoid all danger of being under the necessity of making alterations. The experiment (if experiment it is) can be tried with much less hazard here than in a new building. Another important feature attending this improvement, grows out of the present arrangements for cooking, and our exposure to fire. When the original building was erected, a kitchen and apparatus for cooking, sufficient for the patients who could be accommodated in it, were provided. There have since been added, at different times, four wings, with a kitchen to each of

them—making five separate kitchens, with their several accommodations for cooking—thus occasioning a great waste of fuel and labor, and additional exposure to fire.

We have so located the preparations for warming and ventilation, that a kitchen may be erected in the rear of the centre building sufficiently large for the whole establishment, and in which the cooking can be principally done by the same steam which warms the halls. This would greatly reduce the amount of fuel now consumed, and would remove all the fires from the main buildings. This, with the improvements now in progress, the Trustees are confident would render the existing Hospital as safe and convenient as the construction of the buildings will admit of—and they hope, satisfactory to the community. But they have not the means of carrying out this suggestion, and must leave it to the discretion of the legislature.

The Trustees, in closing their Report, regret to be under the necessity of stating that Doctor Chandler, who, for the last ten years, has discharged the arduous and difficult duties of Superintendent of the Hospital, has come to the conclusion to retire from the institution. We avail ourselves of this occasion to bear testimony to the fidelity and signal ability with which Doctor Chandler has discharged the duties of his position, and to the great success which has attended his labors during the whole peried of his superintendence; and we cannot but regret that the institution is to be deprived of the benefits of his care, skill and ripe experience in a most interesting department of medical science. Doctor Chandler's resignation was presented on the first of October, but to take effect on the first of April next.

The Trustees have appointed Doctor Merrick Bemis, who has been a physician in the Hospital during the last eight years, to be the successor of Doctor Chandler.

REJOICE NEWTON.
LINUS CHILD.
CHARLES H. STEDMAN.
WILLIAM T. MERRIFIELD.
THOMAS COLT.

TREASURER'S REPORT.

To the Trustees of the State Lunatic Hospital:-

The Treasurer reports:—		
That the balance of cash in his hands on the 30th		
November, 1854, was,	\$7,129	97
Since which time he has received—		
From the Commonwealth, for support of Paupers,	14,305	11
From cities, towns and individuals, for support		
of patients of various classes,	26,082	50
From the Steward, for articles sold,	241	37
From the Massachusetts Cotton Mills, in part pay-		
ment of a note of \$15,000,	5,000	00
For interest,	955	45
Cash due the Worcester Bank,	1,848	41
Balance of cash account due the Treasurer,	610	82
	\$56,173	63

And that during the year ending November 30, 1855, he has paid on the Steward's orders, for expenditures, as follows:—

For Salaries, Wages and	l Labor	·, .		\$9,322 94
Improvements and	Repairs	, .		7,074 79
Furniture,				1,017 25
Clothing,				1,143 82
Flour, 400 barrels,				4,668 49
Meal, 206 bushels,				264 78
Biscuit, Rice, 2,817	pound	ds,		439 17

2

10

 • tons Hard Coal,
 5,802
 64

 Gas Light, 119,700 feet; Oil 190 gallons,
 569
 39

 Soap, Starch, and Potash,
 159
 94

 Provender, 1,200 bushels,
 1,217
 95

 Medical supplies,
 279
 74

 Freight,
 58
 33

 Trustees' expenses,
 275
 80

\$46,486 69

8,999 69

Cash in the hands of the Steward, . \$187 25
Cash in the hands of John Wright, Esq.,
on account of improvements, . . 500 00

687 25

STATE OF THE HOSPITAL FUND.

Amount due for support	of	patients	s,	Nov.	30,		
1855, estimated at .						\$36,852	80
Note of Massachusetts Cott	on	Mills,				10,000	00
Bond of Worcester and Nas	shu	a Railro	ac	d Co.,		500	00
Due from the Steward,						187	25
Due from John Wright, Es							00
						\$48,040	05
Cash due the Worcester Ba	ınk.	, .		\$1,84	8 41		
Cash due the Treasurer,			۰	61	0 82		
Balance,				45,58			
						\$48,040	05

Respectfully submitted, by

SAMUEL JENNISON, Treasurer.

Γecember 11, 1855.

The subscribers have examined the foregoing account and find the same correctly east, and properly vouched.

REJOICE NEWTON. WM. T. MERRIFIELD.



SUPERINTENDENT'S REPORT.

Twenty-third Annual Report of the Superintendent to the Trustees of the State Lunatic Hospital.

GENTLEMEN:—This is the tenth time I have had the honor of detailing to you the yearly transactions of this institution. Although the daily routine of duties and events branches off into various departments, there is a great sameness in the general aspect of hospital life from year to year.

In review, the first feature in our history of the past year that presents itself, is the very great preservation of our large family from serious accidents and wasting sicknesses. For this great immunity, we are ever ready to acknowledge the protecting hand above us that aids us in all our efforts for good.

The great alterations that were commenced in the summer, for a more efficient and healthful mode of heating and ventilating, has necessarily increased our cares and our duties, and has interfered to a considerable extent, with the out-door liberty we could give our inmates. But it has been cheerfully submitted to in the anticipation of the luxury it would give us, when completed, of being fanned by it in winter with fresh warm air, and in summer with cool air. This arrangement for heating this hospital will also, I trust, tend to allay the apprehensions of those in charge of the institution of a great share of the danger of being consumed by fire. On this subject our fears have often been keenly alive; the danger of fire has been our greatest source of anxiety in the winter months. The new method of heating will remove all furnaces and stoves from the building; the boiler fires are to be under ground and fifty feet from any part of the hospital. Danger of fire from them can hardly be apprehended. When all the kitchens shall

be merged in a new one, as has been suggested, in the rear of the centre building, all fires will be removed from such parts of the hospital as shall be occupied by the patients. The kitchen and bakery will require an anthracite fire each. Steam can be made to do much of the cooking and all of the heating of water for baths.

The alterations commenced last spring, of making a parlor in each ward, have been nearly completed. These parlors add much to the cheerfulness of the wards. This change in the wards was often talked about by my predecessor, twenty years ago. In the old part of the hospital, the parlors have been made in the same place and in the same way he contemplated. But the obstacle in the way of its being accomplished then, was that the hospital was crowded and the room could not, in his view, be spared. These parlors or recesses, made on the sunny side of the galleries, and midway, by removing the partitions in front of and between two adjoining dormitories, let in light and air, and make a cosy nook for the inhabitants of each ward to assemble in.

In the two upper stories, where there were rooms for the noisy and violent, the partitions have been taken out, and now four spacious rooms are finished off. They will serve for sitting-rooms, parlors for the adjoining wards or work-rooms, or for associated dormitories, if the hospital should again be excessively crowded. Although we have had on the average about fifty patients more than our present accommodations are fitted for, we do not feel the pressure, because it was but a little while ago that we had an excess of more than two hundred and fifty. When we were so badly crowded we felt obliged to occupy every nook and corner of the hospital—the strong rooms even. With a surplus of only fifty, we get along without using our strong rooms much—none for the past year on the female side of the house.

The use of the strong rooms on the male side has been confined to a few patients. The two who have occupied them most, were brought to us almost directly from other hospitals from which they had been ejected. Their personal habits are so noisome, and their mental capacity so limited, that efforts to improve their condition avail so little, we have felt compelled to seclude them in these rooms for the good of others and their

own good too. Other patients have been in these rooms to the amount of one per cent. of our male patients.

The barn and piggery have been moved into the east garden, as you very well know, by your direction, and by the superintendence of some of your Board. They have been put in order; the barn sets up seven feet from the ground, which affords a shelter for the cows and gives room for a deep cellar for vegetables. These buildings are now beyond the reach of offence to the inmates of the hospital.

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital from December 1, 1854, to November 30, 1855, inclusive.

Homicidal. Periodical.	Homicide. Ireland.	Homicide.			,	Periodical.	lian. Periodical. England.	Ireland.	
¿Suicidal. Hereditary.	Hereditary. Homic Pauper from Ireland.	Hereditary.	do	op	Hereditary.	op qo	Pau per. Indian. Hereditary. Periodic Pauper from England.	Hereditary. Pauper from Ireland.	Hereditary. do do
In what state.	Stationary	Stationary	do	do Apoplexy	Improved Stationary	do do	do do do Improved	Stationary do Improved Stationary	do do
Discharged or Remaining.	Remains Stationar Discharged Improved	7 mths Remains	qo	do Died	Discharged Improved Kemains Stationary	do do	do do do	do Discharged Remains do	op op op
lime spent in the Hospital.	1		6 mths	7 mths		9 mths 8 mths 3 mths	8 mths 7 mths 4 mths 3 mths		11 mths 10 mths 9 mths
	22 yrs 22 yrs	21 yrs	19 yrs	18 yrs 18 yrs	17 yrs 17 yrs	16 yrs 16 yrs 16 yrs	15 yrs 15 yrs 15 yrs 15 yrs	14 yrs 14 yrs 14 yrs 14 yrs	13 yrs 13 yrs 13 yrs
By whom committed.	The Court do	qo	qo	6 months The Friends 22 years The Court	op do	2 do The Overseers 2 months The Court 9 years do	ဝင် ဝင် ဝင် ဝင် ဝင် ဝင် ဝင် ဝင် ဝင် ဝင် ဝင်	3 do do 5 do 1 The Friends 1 year The Court	90 op
Puration before admission.	17 years 5 do	op 9	op g	6 months 22 years	Unknown 3 years	2 do 2 months 9 years	4 months 6 years 8 do 2 do	3 do 5 do 2 months	30 do
Supposed Cause.	Widower Religious,	Unknown,	Ill health,	Love affair, Loss of property, .	Unknown, do	Ill health,	Love affair, Ill health, do	do do III health,	Masturbation, . Unknown, do
Clvil condition.	Widower	Single	qo	do Widower	Single	do Widow Single	do do do Married	Single Married do Single	op op op
Sex.	Male	op	Female	do Male	Female Single Male do	Female do Male	do Female do Male	do do do	Male do do
Age when admit- ted.	36	29	53	27 61	20	33 33 33	8888	32 32 33 33 33 33 33 33 33 33 33 33 33 3	29 30 67
No. Time of when admit-	2 Jan. 22 27 Feb. 28	Apr. 30	May 3	582 May 26 680 Dec. 1	Feb. 15 Dec. 28	895 March 1 910 Apr. 17 973 Aug. 5	1078 Mar. 28 1092 Apr. 21 1144 Aug. 12 1156 Sept. 4	1228 March 3 1239 Apr. 3 1252 do 2 1319 Sept. 15	1390 Jan. 24 1409 Feb. 28 1423 Mar. 30
No.	27	209	431	582 680	719 876	89.5 910 973	1078 1092 1144 1156	1228 1239 1252 1319	1390 1409 1423

Ireland. Ireland.	do England.	Hereditary. Pauper from New York. do do Maine. do do Ireland. do	ф	Ireland.	do Conn. Periodical. do do do do do freland.
Pauper from Ireland Hereditary. Pauper from Ireland	op op	ereditary. auper from do do do do	do do do Hereditary. do	Pauper from Ireland.	do do
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3 months The Court 13 years do 13 do do 3 months do	do do do do do	do do do do do do The Overseers The Court	do The Friends The Court do The Friends do The Court	The Friends The Court The Friends	6 months The Court 7 do do 1 week The Friends Unknown do 2 months The Court
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Unknown, do	do	Unknown, Religious, Hard study, Love affair, Unknown, do do do do Ansturbation, Unknown,	Masturbation, do Intemperance, Hard study. Masturbation, Unknown, Masturbation, francoman, faktoown.	Masturbation, Unknown,	Unknown, Stimulants, Disappointment, . Unknown, do
Married Single do do	do do Married Single Married	Single Married Single do do Married do do do do do do do edo do	\[\frac{1}{2}\]	Zi ii	do Widower Single Married Single
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July do Oct. Dec.	Jan. May July Nov. do	1844. 1846 Jan. 9 1846 Apr. 9 1973 May 8 1973 May 20 1955 Aug. 27 1955 do 27 1955 do 12 2014 Dec. 2 2031 do 17	Jan. do do do NIar. July Aug. Sept.	Nov. do Dec.	Jan. Mar. Apr. May June
1480 1481 1531 1565	1583 1655 1696 1772 0 1777	1846 1873 1973 1955 1955 1955 1981 1981 2014 2014	2047 2048 2048 2053 2053 2220 2220	2280 2295 2310	2340 2394 2412 2419 2419 2419

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Homicida', Periodical.	Ireland. do Homicidai.	Vermont, Periodical. Ireland.	rom Ireland. do Maine. Periodical.	Germany. Treland. do do	Ireland. Periodical. Ireland.
Suicidal, Hereditary.	Pauper from Ireland do do do Homio	Pauper from Vermont. Periodic do do Ireland. Hereditary.	Pauper from Ireland. do do Maine. Period	Herelitary. do from Germany do do freland. do do do do do	Pauper from Ireland. Period do do Ireland.
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By whom committed.	0 days The Court 9 4 months do 9 years do 2 years 2 months The Friends 8	The Court go do do Go Triends The Friends The Court	6 months do Che Friends 9 6 do The Friends 9 4 years The Court 7 7 months Sup. J. Court 7	The Friends 7 do do do 7 do 6 do do do do 7 The Friends 7 The Friends 7 The Friends 7 The Court The Friends 7 The Court 7 The Court 7 The Court 7 The Friends 7 The Court 7 Th	do do Gort Gourt G
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29 years 115 do 1 do 1 do 4 months 3 do 6 do 8 years 1 do Culknown do 2 years 4 months 9 do 9 do 6 do	Volknown 8 years 8 years 10 years 8 months Chknown Chknown 6 years 6 years 18 months	9 do 15 do 4 veeks 2 years 10 do 10 do 10 do Unknown 3 months Unknown 2 years 20 do
Unknown, Unknown, do do do Huerperal Hard labor, Sun struck, Unknown, do do do Love affair, III health, Epilepsy, Love affair,	Unknown, Love affair, Beligious excitoment, Unknown, do Disappointed affection, Fright, Unknown, do do do	Masturbation, Epilepsy, Nosalga, Sun Struck, Unknown, do
Female Manried I Male Single Udo do do do do Go do do Go		
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3138 Mar. 2 3145 do 13 3191 May 112 3192 do 11 3196 do 17 3196 do 17 328 June 25 3242 July 16 3247 do 24 3250 do 24 3250 do 24 3250 do 24 3250 do 31 3296 Sept. 10	do do do do Jan. do Mar. April do June	July do do do Nov. Dec. do

Homicidal.	Periodical. Periodical. Homicidal.	Homicidal. Periodical.
Suicidal. Hereditary.	Hereditary.	Hereditary.
In what state.	Stationary do	do do Improved do Stutionary
Discharged or Remaining	- P. P.	000 000 000 000
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By whom committed.	4 months The Friends 4 6 years The Oversegrs 4 6 months Probate Court 4 2 do 4 8 years do 4 3 years do 4 3 years Heriends 4 3 years Probate Court 4 6 months Probate Court 4 3 years Probate Court 4 5 years Probate Court 4 6 months do 6 6 weeks do 6 6 weeks do 6 6 weeks do 6 6 weeks do 6 7 do	1
Duration before admission.	4 months, 6 years 1 months 6 months 2 do 6 weeks 3 years 8 do 1 week 9 do 5 years 20 days 20 days 8 weeks 8 weeks 6 months 12 do 6 weeks 2 do	years 14 do 3 do 2 months 2 do
Supposed cause.	Over doing, Unknown, do Ill health, Domestic affliction, Unknown, Ill health, Onknown, do do do do do do do do do d	Single do
Civil condition.	Female Single do Married do Go Female Go Male Go Matried Male Go Matried Male Go Matried Male Matried Male Go Matried Male Matried	Male Single Female Married Male Single Female do Male Widower
Sex.	Female S do do do do Nale do fo do fo do do do do do do	Male Female Male Female Male
Age when admit- ted.	84 482000 484 684 685 685 686 686 686 686 686 686 686 686	222 222 223 233
Time of Admiss'n.	1850. 1850. 1850. 1850. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1851. 1850	91 Jan. 2 92 do 3 02 do 21 20 Feb. 12 25 do 19
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Periodical.		
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vork cold, verperal, verpe		
	do do do do Epilepsy, Unknown,	do Pecuniary, Epilepsy, Love affair, Unknown,
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Suicidal, Hereditary.	Hereditary.
In what state.	oo ved
Discharged or Remaining.	10 mths Discharged Recovered 18 mths do Stationary 9 mths Remains Discharged Improved Curbs Remains Buths Discharged Recovered 5 mths Curbs Discharged Recovered 3 mths Discharged Consumpti 3 mths Remains Curbs Curb
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Duration before admission.	4 days Unknown 1 year 2 do 3 montis Unknown 8 years 2 months 1 month 8 days 10 years 2 months 1 month 8 days 10 years 8 months 10 years 9 months 10 do 4 years 10 do
Supposed cause.	Unknown, Spirit rappings, Unknown, do Turn of life, Unknown, Go blood, Masturbation, Unknown, Fright, Unknown, Fright, Unknown, Fright, Unknown, Go do Lijury of head, Domestic trouble, Followed fever, Unknown, Go do Lijury of head, Onerestricton, Unknown, Unknown, Go do Lijury of head, Onerestricton, Unknown, Unknown, Lintenperance, Lintenperance, Lintenperance, Lintenperance, Lintenperance, Lintenperance, Unknown,
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Age when admit- ted.	864888446488847648888888888888844444
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In what state.	Chol. Morbus Improved do Improved Improved Recovered Stationary Recovered Stationary Rationary Recovered On Improved do Improved Stationary Cholor Ch
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By whom committed.	Joy. Warrant Probate Court do do do do do do do do Probate Court do Probate Court do Probate Court do Munepl. Court Probate Court do do Alle Overseers do do Probate Court do do do Probate Court do do do Probate Court do do Probate Court do do do Probate Court do do do do Probate Court do do do do do do do Probate Court do do do do do do do do do do
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Supposed Cause.	Unknown, do do lin health, Laetation, Unknown, Bpilepsy, Epilepsy, Religious, Disappointment, Intemperance, Masturbation, Loss of daughter, Unknown, do
Civil condition.	Pemale Married do Married do Married do Single do Married do Married do Married do Go do G
Sex.	Female National States of the National States
Age when admit- ted.	2848988486988484848484848888888888888
Time of Admiss'n.	Apr. 1854. Apr. 1854. By 1954. Apr. 1854. By 1956.
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Unknown,	Unknown, Masturbation, Unknown, Love affair, Unknown, do do do do Thard labor, Unknown, Unknown,	Idiot, Masturbation, Loss of daughter, Unknown, do do do do do do do do do
Female Married do Married Penale Single do Married do Married Godo Single Godo Single do Married Anle Married Godo Male God God Married do Anle do Anried Anried do Anried Anried do Anried Anried do Anried	do do do do do Married Unk 'wn Married Single Married Single	Married Married Onk'wn Married
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In what state.	u i i
Discharged or Remaining,	Discharged Remains do do do do do do do do do d
Time spent in the Hospital.	1 yr 2 mths Disch 2 mths Rema 3 mths Disch 4 mths 6 d d d d d d d d d d d d d d d d d d
By whom committed.	Jakaya Muniep'l Court 1 Jakuwa Probate Court 1 Jakuwa Probate Court 1 Jakuwa Probate Court 1 Jakuwa Jusiecof Quo. 1 Jakuwa Jusiecof Quo. 1 Jakuwa Jusiecof Quo. 1 Jakuwa Jusiecof Quo. 1 Jears Allond Muniep'l Court 1 Jears Allond Allond Court 1 Jears Allond Bree. Warrant Court 1 Jears Allond Allond Court 2 Jears The Overseers 3 Jears The Overseers 3 Jears Allond Allond Court 6 Jears Allond Allo
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Supposed cause.	Unknown, do
Clvii eondition.	sale Single C Dak'wn Married Single Widow Single And Single And And And And And And And An
Sex.	Female do
Age when admit- ted.	22840042841184002884898847488948118888
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Female Single do Widow do Single Male do Female Married Male Widow	do Single Male Married Male Married Go Single Go Single Ado Single Male Married Male Married Male Married Male Go Female Married Male Go Female Widow Go Female Widow	do Married Male Single Female Widow do Married do do do Single do Single do Married	do Singie do do do do Male Married do do Fenale Widow Male Single do
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Homicidal. Periodical.	Periodical. do do
Suicidal. Hereditary.	Hereditary.
In what state.	Recovered do do do do do do Grantoved do do do do Canc. of stom. Recovered Stationary Recovered do do Suicide Stationary Accovered do
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Time spent in the Hospital.	11 mths Berna 5 mths Disched 10 mths Berna 11, do do 11, do 11
By whom committed.	23. years Probate Court 3 do 4 do 6 months 0 months 0 months 0 months 0 months 1 month Muncpl. Court 5 years 4 do 4 do 4 do 4 do 4 do 4 do 5 do 6 do 6 do 6 do 6 do 6 do 7 The Overseers 9 do 6 do 7 The Overseers 9 do 6 do 6 do 7 The Overseers 9 do 6 do 6 do 7 The Overseers 9 do 6 do 7 The Overseers 9 do 6 do 7 The Overseers 9 do 9 do 9 do 9 do 9 do 9 do
Duration before admission.	2½ years 3 do do do Unknown do 10 months Unknown do 1 month 5 years 4 do 3 do 4 years 4 years 4 years 2 years 3 do Unknown 2 years 3 do Unknown 20 years 3 weeks 40 years 40
Supposed cause.	Masturbation, Unknown, Girtemperance, Ill health, Unknown, do do do do Of Ill heelth, Inn of life, Unknown, do do do do do do do do do Hard work, Ill health, Unknown, do
Civil condition.	Male Single do Married do Single do Married do Married do Married do Married do Male Married do Male Married do Male Married do Single
Sex.	Male Fenale do do do Fenale Male Male Male Male Male Male Male M
Age when admit- ted.	84484684888846488484444444444688888444
Time of Admiss'n.	118.55. 11.55. 11.55. 12.55. 13.55. 14.55. 15.55
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Unknown 3 weeks do 3 years 5 do Unknown 6 months Unknown 8 years 10 do Unknown 7 years 6 weeks 10 do Unknown 8 years 10 do Unknown 8 years 1 years 9 do 1 months	7 yeeks 7 nweeks 7 nweeks 7 nweeks 2 weeks 4 months 2 days 6 do 6 do 6 do 6 do 7 days 2 months 2 do 1 year 6 do
Unknown, do do do Unknown, Unknown, do do do do do do do do do d	Unhappy marriage, Unknown, Love affair, Domestic affliction, Unknown, Unknown, Masturbation, Unknown, Masturbation, Onknown, Masturbation, Spiritualism, Spiritualism,
Female Onkn'wn Unknown, do Single Good Married Good Female Good Onknown, do Good Good Good Good Good Good Good	Female do Married do Marle do Single do Married Companie Single do do Married Go do Married Male Single Female Married Male Married Male Married Male Married do Female Single do Female Married do Female Single do Female Single do Female Married do Female Single do Female Married do do
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	Sulcidal. Hereditary.	Hereditary. Pauper from Ireland. do do do do do do do	Hereditary.	do Period do do Ao Rauper from Ireland. do do do	Hereditary. do
	In what state.	Stationary	recovered	do Recovered do Stationary Epilepsy	Recovered Exhaustion Recovered do
PERCHAPITATION CHARGESTAND	Discharged or Remaining.	Remains do Discharged Remains do do do	Discharged Kecovered Remains Discharged Improved Remains Discharged	Kemains do Discharged Remains Discharged do Remains Died Remains	Discharged Odays Remains Odays 5 days Died Discharged do 4 days Remains Discharged
Control of the Contro	Time spent in the Hospital.	7 mths 7 mths 6 mths 7 mths 7 mths 6 mths 6 mths	1 mth 6 mths 6 mths 6 mths 1½ mths 6 mths 2 mths	6 mths 6 mths 5 mths 5 mths 8 mths 8 mths 6 mths 7 mths 6 mths	20 days 10 days 15 days 4 days
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	Supposed cause.	Death of husband, Masturbation, Injury of head, Turn of life, Disappointment, Unknown,	3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Tucyperal, Unknown, do IIII health, Turn of life, Onknown, Unknown,	Hard laboi, Unknown, Onestic affliction, Onkrown, Intemperance, Ill health,
TO THE MENT OF THE PROPERTY OF	Civil condition.	Female Widow Male Single do Married do Single do Married do Single do Married do Married do Married do Married do Married	Married Single Single do Married do	Widow Single Married Widow Single Married Single Gingle	Married Single Widow Married Widow Married Single
CONTRACTOR OF STREET	Sex.	Female do do do do	do do do Male do	(2) (3)	do Married Male Single Female Widow do Warried Male Married Female Single
-	Age when admit- ted.			2007 2008 2008 2008 2008 2008	000 000 000 000 000 000 000 000 000 00
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Hereditary.	Pauper from Ireland. do do do	Hereditary.	Panner from Ireland		
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Supposed Cause.	Unknown, Puerperal, Unknown, do do do Wound of head, Unknown,	do III health, Fall, Unknown, Opium eating, Unknown, Love disappointment,	Spiritualism, Chrknown, Chrknown, Godo	දිදිදිදිදිදිදිදි	0 0 0 0 0 0 0 0 0 0
Civil condition.	Ma Wi	do do Single do Married Single	M. Sin	Wi Ma Sin	do Married Single do do
Sex.	Male Female do do Male Female do Male	Female Male Female do do Male do	do do Female Male Female	do do Female do do do do do do	00000000000000000000000000000000000000
Age when admit- ted.	1			200 38 4 60 8 4 60 8 4 60 8 4 60 8 4 60 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
Time of Admiss'n.	Joseph Jo	222222 22222	Nov.	22111222 23211222 252222 252211222 252211222 252211222 252211222 252211222 25221122 25221122 25221122 25221122 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 2522 252 2522 252	90 90 90 90 90
Mo.	4924 4925 4926 4927 4927 4929 4931 4931	49933 49334 4935 4935 4937	4939 4940 4941 4943	4944 4945 4946 4948 4949 4950 4950	4953 4953 4954 4955 4955

TABLE 1,

Showing the Admissions from each County the last and previous years.

							1855.	Previously.	Total.
Barnstable,	•		•	Males, Females,		0 1—	1	120	121
Berkshire,			:	Males, Females,	:	5 2—	7	153	160
Bristol,		:		Males, Females,	:	0 1	1	280	281
Dukes,	•		٠.	Males, Females,		0 0	0	19	19
Essex,	•	•	•	Males, Females,		13 16—	29	569	598
Franklin,	•	:	• 0	Males, Females,	:	1 1—	2	108	110
Hampden,				Males, Females,	:	7 13—	20	252	272
Hampshire,				Males, Females,	٠	6 1—	7	188	195
Middlesex,		•		Males, Females,	:	17 17—	34	562	596
Nantucket,		:		Males, Females,		0 0—	0	,31	31
Norfolk,		:		Males, Females,	:	0 2—	2	557	559
Plymouth,		•		Males, Females,	:	2 2—	3	222	226
Suffolk,	•	:		Males, Females,	:	5 7—	12	527	539
Worcester,		:	:	Males, Females,	:	30 50—	80	1,159	1,239
Other States	s, •	:	:	Males, Females,	•	0 0—	0	_10	10
							199	4,757	4,956

This table more fully illustrates the fact that the inhabitants of the State nearest to hospitals, avail themselves of their privilege of sending their insane to these institutions, in a very much greater proportion than those do who live more remote. The admissions here from the county in which it is situated, are about one hundred per cent. greater than they are from the same number of people in the western counties, although the habits of life, the liability to insanity, and the means of support are very similar. The crowded residence of the cities and the hazardous employments of the sea-faring people undoubtedly tend to the increase of insanity. A few have come to us the past year, from the south-eastern counties. They were mostly those who had been in this institution at some former period, and preferred coming here.

TABLE 2,

Showing the Admissions and State of the Hospital, from Nov. 30, 1854, to Dec. 1, 1855.

	1
Persons in the Hospital, December	Committed on the warrant of the
1. 1854	Governor, 3
1, 1854,	Males, 2
1, 1854,	Females, 1
remaies, 100	l chares,
Patients admitted in the course of	
the year, 199 Males, 86	
Males, 86 Females, 113	Foreigners and those who have no
Females, . 113	legal settlement in this State,
	admitted during the year, . 58
Whole number in the Hospital in	Males,
the course of the year 580	Females, 36
Males, 279	. ,
Males, 279 Females, 301	Foreigners and those having no
2 3	legal settlement in this State,
Patients remaining in the Hospi-	discharged during the year, 94
tal Nov. 30, 1855, 336	
tal Nov. 30, 1855, 336 Males, 168 Females, 168	Males, 36 Females, 58
Famalag 169	remaies,
remaies, 100	Those having no legal settlement
	in this State, remaining in the
	Hospital Nov. 30, 1855, . 115
Of the educations there were	Molog 56
Of the admissions, there were	Males, 56 Females, 59
cases of less duration than one	remaies, 55
year,	
Males, 27	
Females, 45	
Of the educations there were	
Of the admissions, there were cases of one year or more. 72	State Danners remaining in the Use
	State Paupers remaining in the Hos-
Males,	pital at the end of each year, as
Females, 39	near as can be ascertained:-
Cases the duration of whose in-	No.
sanity before admission not as-	1842, 34
certained, 55	1843,
Males, 26	1844,
Males, 26 Females, 29	1845,
Londico,	1846.
	1847, 121
	1040
Patients committed by the Courts, 160	1848,
	1050 101
Males, 74 Females, 86	1851,
remaies,	1050 041
Committed by Overseers 36	1852,
	, , , , ,
Females, 26	1855, 115

[Jan.

CONTINUATION OF TABLE 2.

Irish.

Annual Control of the			es e maio		- NAME TO	-	earanes					-			socie						
· ·	184	6.	18	47.	18	18.	184	19.	185	0.	185	1.	185	2.	185	3.	185	4.	18	55.	
	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Rach Sex.	Total.	Total.
Admissions: Recent Cases, Males, Females,	- 6 7	13 - -	- 2 6	8 -	97	16 - -	- 12 12	24 - -	- 7 11	18 - -	- 5 11	16 - -	- 6 24	30 - -	- 8 26	34	- 10 36	46 - -	- 8 13	21 - -	226 - -
Chronic Cases, Males, Females, Duration of In-	- 1 0	1 -	- 6 9	15 - -	3 2	5 - -	- 4 8	12	- 2 9	11 - -	- 6 8	14 - -	8 9	17 - -	- 3 14	17 - -	7 19	26 - -	- 2 5	7 -	125 - -
sanity Un- known, Males, Females,	7 4	11 - -	- 9 6	15 - -	- 6 5	_	- 5 5	10 - -	14 5	19 - -	9 10	_	10 12 —	22 - -	- 6 14 -	20 - -	6 18	24 - -	- 8 -	15 - -	166
Totals,		25		38		32		46		4 8		49		69		71		96	43		517
DISCHARGED : Recovered, Males, Females,	333	6	9	13	94	13	10 6	16	9	21	314	17	- 6 13	19	- 10 22	32	- 10 23	33	- 8 12	20 - -	190
Died, Males, Females,	2 2	4	2	2 -	- 1 4	5 - -	- 1 3	4	5 6	11 - -	2 2	4 -	- 5 7	12	3 9	12 - -	- 4 5	9 -	$\frac{-4}{2}$	6 - -	69 - -
Otherwise, Males, Females,	- 1 1	2 -	- 2	2 -	- 1 2	3 -	- 4 5	9	3	3	5	6 -	9 16	25 - -	2 20	22 - -	32 51	83	- 8 26	34 - -	189 - -
Totals,		12		1 7		21		29		35		27		5 6		66		25	60		448
Inc	rea	se	in	ten	ye	ars	,	1	•	l		•			1		•				69

TABLE 3,

Showing the number of Discharges and Deaths, and the condition of those who left the Hospital, from November 30, 1854, to December 1, 1855.

	each Sex.		Rec	ed.	Imp	rov'd	a	rable nd iless.		rable dan- ous.	Dea	ths.	
6.	Whole No. each	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Each Sex.	Total.	Total.
Patients discharged, . Males, Females,	111 133	244 _ _	50 59	109	12 14	26 - -	31 40	71	- 5 6	11 - -	13 14	27 	111 133
Recent cases—less than one yr.—discharged, Males, Females,	41 42	83 - -	38 39	77 - -	- 1 1	2 -		-	-	-	- 2 2	4 -	41 42
Chronic cases—one yr. or more—discharged, . Males, . Females, .		131 - -	9 15	24 - -	10 11	21	27 30	57 -	- 4 5	9 -	- 10 10	20	60 71
Patients discharged, the duration of whose insanity not ascertained, Males, Females,		30	3 5	8 -	- 1 2	3 -	- 4 10	14	- I 1	2 -	- 1 2	3 -	10 20
Totals,	 244		 109		 26		71		11		27		

TABLE 4,

Showing the number of Admissions and Discharges and the average number in the Hospital each month in the year.

					Monthly Average.	Admissions.	Discharges
December,	1854.	•	•		375	12	23
January,	1855,				362	18	33
February,	66				356	13	11
March,	"				357	22	24
April,	"				355	20	19
May,	"				354	11	22
June,	66				340	14	20
July,	66				337	20	24
August,	"				336	16	13
September,	"				340	20	16
October,	66				340	15	22
November,	66	•	•	a	336	18	17
Average	for the v	ear.			349	199	244

TABLE 5.

Showing the whole number of Residents during the year, the average number each year, the number at the end of each year, and the Expense of each of the twenty-three years the Hospital has been in operation.

The year.	Whole No of residents during the year.	Average No. each year.	No. at the end of each year.	Current expenses each year.	Annual Expense per patient.
1833	153	107	114	\$12,272 91	\$114 67
1834	233	117	118	15,840 27	135 38
1835	241	120	119	16,576 44	137 30
1836	245	127	138	21,395 28	168 44
1837	306	163	185	26,027 07	159 64
1838	362	211	218	28,739 40	136 20
1839	397	223	229	29,474 41	132 16
1840	391	229	236	27,844 98	121 59
1841	399	233	232	28,847 62	123 8
1842	430	238	238	27.546 87	111 19
1843	458	244	255	27,914 12	114 4
1844	491	261	263	29,278 75	112 T
1845	656	316	360	43,888 65	138 8
1846	637	359	367	39,870 37	111 0
1847	607	377	394	39,444 47	104 6
1848	655	404	409	42,860 05	106 0
1849	682	420	429	40,870 86	97 3
1850	670	440	441	46,776 13	106 4
1851	704	462	466	52,485 33	112 6
1852	775	515	532	43,878 35	85 2
1853	820	53 7	520	53,636 66	103 1
1854	819	430	381	53.221 52	123 7
1855	580	349	336	54,895 88	157 2

As appearances here now indicate that a change in the current of the finances is taking place, in consequence of the very great expenditure of money for the improvement going on, it may be well to state, for the encouragement of those who shall soon take our places, the prosperity of the institution in this respect, the last nine years. Ten years ago the Treasurer reported that "there had been paid out the sum of \$10,181.02, which is to be met by receipts subsequent to Dec. 1st, 1845, and the current expenses of the hospital are to be paid from the same source." That debt of \$10,000 was a source of much anxiety to the Trustees when the superintend-

ency of the Hospital devolved upon the writer. But, as the institution was full of patients, and the price of their support was at a high point-\$2.50 per week-the way to extricate ourselves seemed obvious—to practice a little economy, and to lop off any useless expenditure. Two of the seven kitchens were soon broken up, their fires went out, and their cooks ceased to draw pay. More than \$500 per annum was saved to the institution, and no patient was affected by the change. Recently two more kitchens have been closed, by which six or eight fires have gone out, and their cooks ceased to draw pay; and with very little trouble the boarders are provided for elsewhere. At least \$1,000 will be saved by this last closing up of kitchens, annually. Economy demands that there should be only one kitchen in this Hospital. It is but a little more labor to prepare, and it takes but a little more fuel to boil, a peck of potatoes, than it does half a peck. By strict economy, the debt was soon paid off, and a surplus began to accumulate, although the price of board was three times lessened by direction of your Board. It was our intention to infringe upon the comforts of the patients in no particular, but in many ways, as may be seen by my former reports, we have added many conveniences for their happiness, and have increased the value of this establishment, as may be supposed, by our after paying

The debt of \$10,181 02

Expending for improvements and repairs, and in

\$60,738 29

The item of expenditure for "improvements and repairs," in institutions of this kind, when they are kept up with the spirit of the age, will always be large. But nothing like that we have expended here the last nine years.

TABLE 6.

Showing the Causes of Insanity, and the circumstances connected with the Causes and Predisposition to Insanity the last and previous years, as reported to us by their friends.

						1855.	Previously.
Ill health, .						21	605
Intemperance,						5	388
Domestic affliction,						5	372
Religion, .					-	7	285
Masturbation,						6	219
Property, .						2	198
Disappointed affecti	on.					3	116
Disappointed ambiti						1	39
Epilepsy, .		Ĭ				4	127
Puerperal, .						6	147
Wound on the head			i			$\tilde{2}$	52
Hard labor,		•	į			$\begin{array}{c c}2\\3\end{array}$	63
Jealousy, .	•	•	•	•		ŏ	19
Fright, .	•	•	•	•	•	ŏ	$\frac{10}{32}$
Palsy,	•	•	•	•	•	3	37
Periodical cases,	•	۰	•	•	•	16	912
	•	•	•	•	•	10	212
Homicidal cases,		۰	•	•	•	0	27
Have committed ho		, .	•	• •	•	- 1	
Hereditary cases,	• ,	•	•	•	•	15	1,031
Suicidal cases,	.,	•	•	•	•	9	461
Have committed sur		. •	•	•	•	2	20
Cases arising from			•		•	64	1,661
Cases arising from a	moral o	causes,	•			34	1,123

The causes of insanity are permanent and occasional. The permanent causes are such as have been exerting their influence in all time and among all people—as ill health. The occasional causes are such as become endemic in certain nations more or less limited in time and space—as the Tulip Mania of Germany.

Spiritualism of the present day, is of the last class of causes. This singular mental phenomenon, has, for some few years, engaged a part of the minds in this vicinity, and some few cases have been brought to us the past, as well previous years,

arising, it was supposed, from investigating its phenomena and from believing in its supposed truthful revelations of the future state of existence. If it was true that this process of investigation did really open to the mind any knowledge of the world to come, not revealed to us by the Scriptures—which many of its votaries assert and believe—then it would be a cause calculated in the highest degree to engage, excite, and disturb the mind. But it has been said by those best prepared to investigate closely, that the responses through the mediums contain no ideas of this or the next world, that were not then, or had not previously been, in the mind of some one present. It may be a new faculty of the mind, but its field of operations lies this side of the grave.

TABLE 7.

Du	ration	of in	nsani	ty be:	fore a	dmis	sion	:				
	Less	thar	1 v	ear in	sane,							72
							vear	s insane,				14
	66	66	2	66	66	5	66	66				25
	46	66	5	44	ce	10	66	66	•			18
	66	66	10	56	66	15	64	66		0	•	7
	64	66	15	66	66	20	66	66	٠	٠		2 2
	66	66	20	66	66	25	66	66	9	٠	۰	2
	66	66	25	66	66	30	66	66	٠			0
	Over	. 30	years	,				*		•	٠	4
	Unk	nowi	1, .				,	۰	. '	۰		55
												199
Du	ration	of in	sanity	y with	those	e rem	ainii	ng in the l	Hospi	tal at the	end of	the year:—
	Less	than	1 1 y	ear.								15
				ess th	an 2.						•	31
	9 77	ears		66	5,	,		•				45
	5 y	66	66	56	10,						•	70
	10	66	46	66	15,							38
	15	66	66	66	20,							38
	20	66	66	66	25,		•					14
	25	66	66	66	30,		,			•	•	5
	30 v	ears	and a	more,								7
	Unki			ĺ					•			7 3
												336
-												

TABLE 7—Continued.

_			hen adm						2
	der 15			90	۰	•		0	
	years:	and I	ess than		•	۵	٠	•	17
20	"	6;		30, .	۰			۰	54
30	66	"		40, .	0	•	4	٠.	42
40	66	"		50, .	•	4		•	47
50 60	"	66		60, .	B	•	•	•	20
	"	"		70, .	•	•	•	•	10
70				80, .	•	•	۰	•	7
80	years .	and t	ipwards,	•	•	۰	•	•	0
									199
res of	Patie	nts ii	the Ho	snital N	nvember	30 185	5:		
_				-Proce 144	., 01110 01	00, 100			
			ears, .	00.	•	•	0		3
	years	and	less than		•	•	0	•	10
20	66	66	66	30,	•	•	•	۰	59
30	66	66	66	40,		0	•	•	87
40	66	46	66	50,	•	•		•	101
50	66	"	66	60,	٠	۰	•	•	44
60	66	"	66	70,	•	•	۰		19
70				80,	•	•	•	•	10
80	years :	and	ipwards,	0	•	•	•	٥	3
									000
									336
vil sta	te of I	Patie	nts when	admitte	:d:				
	gle,								92
	rried,			·					85
	dows,	•	•	•	•		•		13
	dower			•	•				
	known.			•	•	•	•	•	2 7
							۵		

TABLE 8.

Diseases that have proved Fatal.

					1855.	Previously.
Marasmus,					4	83
Apoplexy and Palsy.		0			3	56
Consumption,		٠			5	62
Epilepsy		•			3	47
Epilepsy, Disease of the Heart,		•			_	20
Suicide,					- 2 1	20
Disease of the Brain, .					. 1	20
Typhus Fever, .					-	11
ung Fever,				.	-	22
Hemorrhage,					_	6
Dysenteric Fever, .		•			1	9
Cholera Morbus, .				.	1	4
nflammation of the Bowels						8
Mortification of the Limbs,					_	3
Propsy, .		·			1	9
Chronic Dysentery, .			·			5
Erysipelas,	•				_	17
Diarrhœa,					_	19
From Intemperance, .	•		•		_	3
Bronchitis, .	·				_	3
Old Age,	•	•	•		1	13
Fastric Fever,	•	•	•			5
Land Scurvy,	•	•	•	•		1
Congestive Fever, .	•	•	•	•	_	$\hat{\overline{3}}$
Concussion of the Brain,	•	•	•	•	_	1
Disease of the Bladder,	•	•	•	•	1	1
	•	•	•	•	1	1
Fright,	•	•	•	•	_	1
Rupture,	٠	•	•	•	3	56
Maniacal Exhaustion,	•	•	•	•	9	$\frac{50}{2}$
Convulsions,	•	•	•	•	-	4
Cholera,	•	•	•	•	-	$\overset{4}{2}$
Asthma,	•	•	•	•	-	2
Hydrothorax,	•	•	•	•	-	3
Cancer,	•	•	•	•	1	1
Pleurisy,	•	•	•	•	- "	1
Jaundice,	•	•	•	•	-	2
Chorea,	•	•	•	•	-	1
					27	525

1855.]

Showing the Statistics of the Hospital from January 18, 1833, to December, 1855.

	1833.	1834.	1835.	1836.	1837.	1838	1839	1840.	1841.	1842. 1	1843.	1844. 1	1845. 1	1846.	1847.	1848.	1849. 1	1850.	1851.	1852.	1853.	1854.	1855.
Whole No admitted				10,5	168	177	170	169	163			"									_		100
Whole No. discharged.	330	5.	112	106	121	144	89	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	167	61	203	866	961	026	213	246	253	999	230	943	3008	438	244
Discharged recovered.				58	69	92	80	8	85													33	100
Discharged improved.				17	R	24	29	27	36													533	36
Discharg'd not imprv'd,				22	20	288	27	53	37													556	23
Died,				00	0	91	22	15	12													34	27
Eloped, Williamitel	-	H		_	1	1	1	1	1	1	1	1	ı			Т	T	1	t	1	ı	_	က
course of the year,	153	233	241	245	306	362	397	391	399	430	458	491	556 ((32)	209	655	685	020	704	775	820	819	580
No. remaining at the					-																		
end of each year, .	114	_	100	138	185	218	229	536	232								-					381	336
Males admitted,	96		27	99	94	96	08	75	73													125	98
Females admitted,	57		65	20	7.7	81	99	87	06													174	113
Males discharged,	19		22	56	65	74	99	59	7.1													198	86
Females discharged, .	15		46	41	47	54	80	81	84													240	119
Males died,	က	70	4	9	9	10	14	6	~	ဢ	00	6	15	50	18	15	19	50	<u></u>	20	20	15	13
Females died,	П		4	०१	က	9	00	9	70													19	14
Sent in by Courts, Sent in by friends and	109	55	06	117	129	123	123	901	110											٠,		550	160
overseers,	44	64	233	00	33	54	56	26	53	41	89	78	126	134	105	95	29	47	20	50	47	27	36
Sent in on Governor's																							
warrant,	T		1	1	1	T	T	T	T	1		1			1	T	1			i	1	13	ಣ
Males recovered.	23	83	27	33	37	45	35	28	37	44	53	56	64	7:5	48	67	2	09	56	55	65	45	50
Females recovered, .	12		25	98	33	31	48	54	45	44		89			55	69	89			400	98	22	59
Av'age No. in Hospit'l,	107	Π.	150	127	163	211	223	229	233	238		561		**	377	404	120			515	250	430	349
									-						-		-	-			_	_	

TABLE 10.

Per Cent.

1855.	35	45	17	10 20 30 30 30 30 30 30 30 30 30 30 30 30 30	~
		25	53		22 6
1854.				7.40004 70 0000044 80	8 7.9
1853	 	46	24	મન	7.88
1852.	77	45	18	වූ යු	8.73
1851.	83	46	18	9 11 2 4 4 4 5.53	ന്
1850.	87	54	21	% 7 4 ∞ ພ ພ ພ	12.95
1 49	. 8	54	24	18 10 10 10 14 14 13 14 15	
1848.	98	55	.19	11 18 12 22 23 24 25 8	7.92
1847.	25	49	17	17 13 13 7 8 7 8 7 8 9	7.95
1846.	79	22	58	11 10 10 10 33 5.96	10.55
1845.	893	623	312	13 7 14 10 10 6 6 6	7.59
1844.	93	54	24	3.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.74
1843,	88	29	66	113 113 113 113 113 113 113 113 113 113	6
1842.	16	46	16	18 15 5 8 8 8 7.79	χĊ.
1841.	16	49	12	6. 4 El 4 Gl 0	5.15
1840.	91	53	33	3.83 3.83 3.83	6.55
1839.	06	47	17	27. 23. 88. 65. 57. 88. 57. 88. 57. 57. 57. 57. 57. 57. 57. 57. 57. 57	98.6
1838	98	52	15	28 9 10 10 16 6 6	7.58
1837.	68	22	25	21 6 16 10 21 2.94	5.5
1836.	84	53	19	22 7 7 7 15 15 16 3.26	6.3
1835.	88	46	18	21 7 17 9 9 23 7	99.9
1834.	83	54	20	112 24 24 3.43	8.9
1833	ı	1	ı	80 41 14 25 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3.7
	Per cent. of recovery of recent cases,	all discharged,	rer cent. or recovery or old cases,	Per cent. of admissions of the most prominent causes each year:— Ill health, Religious, Property, Intemperance, Masturbation, Per cent. of deaths of all in the Hospital each year, Per cent. of deaths of average number of	

The whole number of admissions is 4,956. Of these there have been 2,284 recoveries. The admissions increased gradually, until this year, although accommodations for the insane elsewhere in this State, had been supplied to an extent far beyond any probable increase of the insane. The increase of this malady in the last twenty-three years, was produced by the greater number of exciting topics that have been agitating the public mind. But there has been an apparent increase greater than the real. As the community has acquired more knowledge upon this subject, it has put a more charitable construction upon the unnatural acts of its members, and more readily recognized their delusions, and prepared comfortable quarters for their custody and cure, which has drawn forth from seclusion the unfortunate members of many an afflicted family. The admissions in thirteen and a half years of my predecessor's term of office, were 2,463, and in mine, of nine and a half, 2,493.

The whole number of recoveries is 2,284, which is about forty-six per cent. of the admissions. The per cent. of recoveries the last nine years corresponds almost exactly with that of the first thirteen. The deaths have been about eleven per cent. of the admissions. These results compare favorably with those of similar hospitals in this country and in Europe.

The accommodations for each sex here have always been nearly equal, and the admissions have been so too, while few or none have kept out on account of the sex. The admissions have been, males, 2,451; females, 2,505; which is about the relative proportion of the sexes in the community.

In the moral treatment of the insane we recognize the principle of giving the largest liberty and the greatest freedom from restraint in each case, consistent with the security of the individual and safety of the community. Until our grounds and avenues were obstructed by mechanics and laborers in the prosecution of the changes going on in the institution and about the yards, our patients got out in parties to walk, to play games, to loiter about the grounds and to work in the gardens and fields, in large numbers, every pleasant day. And still, they are out a good deal, and even help some in the improvements. The carriage from the city takes out parties of ladies daily to ride, and games of checkers, cards, chess and ten pins,

are put in requisition day and evening. We have, for reading, a library of miscellaneous books of three hundred volumes, in one of the most quiet wards on each side of the house, besides the one in the centre, for the use of the patients. Of newspapers, we obtain one hundred and fifty copies each week. Editors of the papers in this city lay us under great obligations in this matter; and the proprietors of the following, have, for years, contributed much towards the happiness of our household, by generously sending their daily or weekly sheets to this hospital.

From Boston: The Daily Advertiser, Evening Gazette, Olive Branch, Puritan Recorder, Christian Witness and Church Advocate, Youth's Companion, Zion's Herald, New England Farmer, Monthly Religious Magazine, Prisoner's Friend, Quarterly Journal, &c.

From Salem: Observer, Register, Essex County Mercury and Advertiser.

Taunton: Taunton Democrat.

Plymouth: Old Colony Memorial.

Utica, N. Y.: Gospel Messenger.

Clinton: The Courant.

From Worcester: The Spy, Ægis, Palladium and Daily Transcript.

Mr. Charles Whitney gave us a rich treat in his oratorical impersonations, in the afternoon of Thanksgiving day, in our chapel. Calvin Washburn, Esq., remembered our wants and gave us a large volume of periodicals bound. Mr. Thompson, of the periodical office, has often contributed to our store of reading matters.

Religious services have, for more than seventeen years, been regularly sustained in our chapel; and, for more than fifteen of it, by our present able and interesting chaplain. These public services have become one of the marked features of the institution, and they could not very well be dispensed with. They present to the insane, by the importance of the subject, and by bringing to mind former associations connected with them, strong and very efficient motives to self-control, for the hour, at least; they help to break up the monotony of the Sabbath day in our wards, when respect for its observance keeps the inmates from taking recreation out of doors as on week

days, and they impart instruction to all, and consolation to the troubled spirits of many.

Useful manual labor is the best of all means to promote and to secure health. Almost every one might find some kind of employment here, if his wish was to do so. But very many of our household do not, from their peculiar state of mind, feel inclined to work. And yet, about one-half of our patients perform some kind of labor, more or less useful. For plain work, the patients are ready and very efficient. One day this. autumn the patients, with one hired man, dug, took off the tops, and put into the cart, four hundred and eighty bushels of carrots. Some are ingenious mechanics. Two have assisted the carpenters most of the season. One gentleman has made all the soft soap—three hundred and fifty barrels a year—and some of the bar soap, for five or six years. He has gathered the materials, made and distributed and attended to the economical use of it. No one can make better soap than he does. Two have made our baskets for years, and have suppliedthemselves in part with clothing. One female has made pantaloons and vests to supply the demand in our family. The females make the shirts and knit the stockings; they wash and mend; they cook, and they help about all our domestic affairs. The patients do considerable manual labor; but still, there are many idle ones. Some arrangements were contemplated early in the year to introduce whip lash braiding. That is an employment at which many could work, and about which no dangerous weapon need be used. The many alterations that were made in the wards interfered with that project for the time. It is the best employment I can think of to introduce among our patients in-doors.

Some of the results of labor are here presented.

Apples,		100	bushels, at	\$0	50,	٠.		\$50	00
Cherries,		10	46	2	00,			20	00
Plums,		2	"	4	00,			8	00
Grapes,		2	66	4	00,			8	00
Corn, swe	et,	120	66		50,			60	00
Beans,		15	66	2	00,			30	00
Peas,		•30	46	1	00,			30	00
Beets,		120	66		25,			30	00

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COMMANDE	T TINI A MITO	TEOCODITION
SIAIL	LUNATIU	HOSPITAL.

[Jan.

Onions, raised 115 bushels, at 50 cents,		. \$57 50
Cabbage heads, 800, at 5 cents each, .		. 40 00
Cucumbers, 70 bushels, at 50 cents,		. 35 00
Turnips, 25 " at 25 ".		. 6 25
Tomatoes, 76 " at 40, ".		. 30 00
Squashes, 3 tons, at 1 cent per pound,		. 60 00
Potatoes, 300 bushels, at 50 cents, .		. 150 00
Milk, 35,000 quarts, at 4 cents,	•	. 1,400 00
Beef, 4,958 pounds, at 8 cents,		. 396 64
Pork, 19,102 pounds, at 9 cents, .		. 1,719 18
		\$4,128 57

And there was raised and gathered for the stock, of 1 horse, 2 oxen, 21 cows, and 106 swine,

Hay, 35 tons, at \$20, .			. \$600	00
Rowen, 4 tons, at \$15,			. 60	00
Corn fodder,			. 25	00
Carrots, 1,375 bushels, at 25	cents,		. 343	75
			\$1,028	75

On the first of January last, Thomas Hill, the Steward, retired from the services of the institution. He was judicious, correct and attentive to the duties of his office. Since then, Dr. Edward A. Smith has been Steward. He has opened the books, and has established the new system of keeping the accounts, as determined upon by your Board last year. By this system, the several items of expenditure are arranged under separate heads, and are placed in a permanent form, so that each class of expenses or the whole amount may be seen at a glance, from quarter to quarter and from year to year. The labor has been done with great accuracy and in a beautiful style.

My assistants, Drs. Bemis and Smith, have been very efficient. They have been ever ready to assist me in every way, and they have taken full charge of their departments. I do not see how the hospital could spare their services. They are skilful, kind and judicious; and they enter into the spirit of, and adopt whatever is new and valuable in the treatment and management of the insane.

To Miss Reid I am under great obligation. She has had ten years' experience in her present duties, and in providing for the wants of the household, and in her intercourse with our large family. She has rendered valuable service by her great discretion and judgment.

The Supervisors, Mr. and Mrs. Mirick, have identified themselves with the moral management of the insane here, through a service of seventeen years. They have always been very kind and attentive to the patients, and prudent and faithful to every duty.

Of the attendants and assistants, several have remained in the institution many years. They are of the most worthy and respectable class in society. Their duties are peculiar and arduous, although not often laborious. As long as their ambition to do well keeps up, and their patience holds out, the institution is glad to retain them. In conducting the affairs of this hospital sixty-one persons are now employed, which is about two to every eleven of its patients. This is a much larger force than is employed in most hospitals of this kind. Of these, ten men and eighteen women are devoted exclusively to the care of the patients, as attendants and nurses upon their wants, and stay by them day and night. The other persons employed all work with or associate with the patients daily.

Whatever may have been said against this hospital—and most of what has been said about its defects, has been so said as an excuse to make it still better—it has always afforded, and does now, with all the progress made in others, a residence as comfortable and as cheering, and as healthful to the patient, as any similar institution in this country.

Most respectfully,

Your obedient servant,

GEORGE CHANDLER.

Worcester, Mass., December 1, 1855.

List of Trustees from the commencement of the Hospital. The first three were Commissioners for building, and, as such, were appointed in 1830. The five Trustees are appointed every year, in February. The first named in the Commission is ineligible to a reappointment the next year.

	AND DESCRIPTION OF THE PERSON NAMED IN	THE OWNER WHEN THE PARTY OF THE		
NAMES.	Residence.	When appointed.	When services ended.	In what way services ended.
Horace Mann,	Dedham, .	1832,	1834,	Commis'n expired.
Bazaleel Taft, Jr.,	Uxbridge, .	1832,	1834.	" " "
William B. Calhoun,	Springfield,	1832,	1835.	66 66
Alfred D. Foster,	Worcester, .	1832,	1836.	" "
Francis C. Gray,	Boston,	1832,	1836,	"
Thomas A. Green,	New Bedford,	1	1837,	" "
Thomas Kinnicutt,	Worcester, .	1834,	1838,	" "
Horace Mann,	Boston,	1835,	1839,	
Emory Washburn,	Worcester, .	1836,	1837,	Resigned.
Abraham R. Thompson,	Charlestown,	1836,	1841,	Commis'n expired.
Myron Lawrence,	Belchertown,	1837,	. 1840,	" "
Stephen Salisbury,	Worcester, .	1837,	1840,	66 66
Edward D. Bangs,	Worcester, .	1838,	1838,	Death.
William Lincoln,	Worcester, .	1838,	1840,	Commis'n expired.
Daniel P. King,	Danvers, .	1839,	1844,	
Alfred D. Foster,	Worcester, .	1840,	1842,	" "
Maturin L. Fisher,	Worcester, .	1840,	1843,	" "
Henry Gardner,	Boston,	1840,	1845,	" "
Robert Campbell,	Pittsfield, .	1841,	1843,	Resigned.
Edwin Conant,	Worcester, .	1842,	1844,	66
H. H. Childs,	Pittsfield, .	1843,	1846,	Commis'n expired.
Joseph Sargent,	Worcester, .	1843,	1848,	
Stephen Salisbury,	Worcester, .	1844,	1850,	66 66
Stephen C. Phillips, .	Salem,	1844,	1851,	" "
Jesse Murdock,	Carver,	1845,	1847,	4 "
Thomas F. Plunkett, .	Pittsfield, .	1846,	1849,	
Thomas French,	Canton,	1847,	1848,	Resigned.
Isaac Davis,	Worcester, .	1848,	1849,	Dealine I
William Appleton,	Boston,	1849,	1851,	Declined.
Levi Lincoln,	Worcester, .	1849,	1852,	Commis'ıı expired.
Ensign H. Kellogg,	Pittsfield, .	1849,	1853,	Declined.
John S C. Knowlton, .	Worcester, .	1850,	1853,	
Foster Hooper, Samuel G. Howe,	Fall River, .	1851,	1854,	Commis'n expired.
TO 1 1 37	Boston, Worcester, .	1851, 1852,	1855,	
73 131 131 1	Greenfield,	1853,	1854,	"
T D C 1	New Bedford,		1855,	Resigned.
James B. Congdon, Linus Child,	Lowell	1854,	1000,	resigned.
Henry Morris,	Springfield,	1854,	1855,	Resigned.
Charles H. Stedman,	Boston,	1855,	1000,	recoigned.
William T. Merrifield.	Worcester,	1855,	_	
Thomas Colt,	Pittsfield, .	1855,		
2.102.110		1000,		
	<u>'</u>			·

Persons employed in the State Lunatic Hospital, December 1, 1855.

Annual Contraction of the second of the seco			
Names.	Services began.	Present duties.	Compensation.
George Chandler,	Mar. 28, 1833,	Superintendent,	\$1,800 per ann. board of self & family services of a girl, and keeping o one horse.
George Allen, Samuel Jennison,	Oct. —, 1840, Mar. —, 1847,	Chaplain, Treasurer,	\$600 per ann. and board \$600 per annum.
		Steward,	\$500 per annum.
Edward A. Smith,	Feb. 17, 1848 }	Ass't Physician,	\$200 per ann, and board
Merrick Bemis,	Nov. 15, 1848,	Ass't Physician,	\$700 per ann. and board
John T. Mirick, Phebe S. Mirick,	Oct. 20, 1837, Dec. 26, 1837,	Supervisor, . }	\$440 per ann. and board
Emery Wilson,	Mar. 23, 1847,	Cook,	\$17 per mo. and board.
Melissa Wilson,	Mar. 29, 1847,	Cook,	\$2 per week and board.
Elizabeth A. Reid,	Feb. 1, 1848,	Matron,	\$200 per ann. and board
Lucy B. Gale, Sarah A. Carey,	April 8, 1847, Oct. 28, 1847,	Ironer,	\$2 per week and board. $$2$ per week and board.
Nelson B. Gale,	Mar. 31, 1849.	Launderer,	\$17 per mo. and board.
Mary E. Mellen,	May 2 1819	Attendant,	\$2.50 per week and board
Aurelius L. Austin,	Feb. 2, 1850, Feb. 27, 1850,	Cook,	\$17 per mo. and board.
Lucy Austin, James Goss,	Jan. 8, 1851.	Cook, Baker,	\$2 per week and board.
Elizabeth Goss,	Jan. 8, 1851, Jan. 8, 1851,	Baker, }	\$400 per ann, and board
Melissa A. Phelps,	June 10, 1852,	Attendant,	\$2 50 per week and board.
Luria Howe,	Aug. 10, 1852, Oct. 5, 1852,	Cook,	\$2 per week and board.
Sarah A. White, Mason Howe,	Mar. 18, 1853,	Attendant,	\$2.50 per week and board.
Lydia H. Carey,	Apr. 12, 1853,	Chamber Girl, .	\$2 per week and board.
Melinda Hooker,	Dec. 5, 1833,	Attendant,	\$2.50 per week and board
Abby H. S. Townsend, .	June 1, 1853, Oct. 24, 1853,	Attendant,	\$2.50 per week and board
Eunice C. Haywood, Sarah A. Parker,	Nov. 21, 1853,	Attendant, Attendant,	\$2.50 per week and board $$2.50$ per week and board.
Charles T. Wheeler,	Jan. 4, 1854.	Farmer,	\$17 per mo. and board.
Jane Learnard,	Jan. 7, 1854,	Attendant,	52.50 per week and board.
Thirza L. Green, Milo W. Abbott,	Jan. 9, 1854, Feb. 20, 1854,	Attendant, Attendant,	\$2.50 per week and board.
Amelia L. Bliss,	Mar. 20, 1854,	Attendant,	\$17 per mo. and board. $$2.50$ per week and board.
Albert Grout,	April 1, 1854.	Farmer,	\$17 per mo. and board.
Emma Allen,	April 1, 1854,	Nurse,	\$2 per week and board.
George Kellogg,	Apr. 13, 1854, May 15, 1854	Attendant,	\$17 per mo. and board. \$2 50 per week and board.
Frank H. Rice,	May 15, 1854, Oct. 27, 1854,	Clerk,	\$200 per ann. and board.
Mary Temple,	Dec. 23, 1854,	Attendant,	\$2.50 per week and board
John Ray,	Jan. 1, 1855,	Carpenter,	\$1.50 per day.
David S. Lawrence, Spencer Child,	Jan. 24, 1855, Feb. 1, 1855,	Attendant, Farmer,	\$16 per mo. and board. \$16 per mo. and board.
Charles S. Dodge,	Feb. 21, 1855,	Attendant,	\$16 per mo. and board.
Hattie Stebbins,	Mar. 14, 1855,	Attendant,	\$2.50 per week and board.
Melissa Stebbins,	Mar. 14, 1855,	Attendant,	\$2.50 per week and board.
Emmons L. Howe, Elisha W. Harkness,	Mar. 27, 1855, Apr. 10, 1855,	Cook,	\$16 per mo. and board. \$16 per mo. and board.
Mary A. Grout.	Apr. 10, 1855,	Attendant,	\$2.50 per week and board.
Alonzo Everett,	Apr. 16, 1855,	Attendant,	\$16 per mo, and board.
Ira X. Haywood, Edwin B. Johnson,	Oct. 9, 1854, May 21, 1855,	Launderer,	\$17 per mo. and board.
Lorina Ballon,	June 13, 1855,	Attendant,	\$16 per mo. and board. \$2 per week and board.
Sarah Ann Dodge,	July 19, 1854,	Cook,	\$2 per week and board.

Names.	Services began.	Present duties.	Compensation.
Elizabeth B. Flood, Phebe M. Work,	Aug. 31, 1855, Aug. 4, 1855, Aug. 24, 1855, Oct. 20, 1855, Oct. 27, 1855, Oct. 31, 1855, Oct. 31, 1855, Nov. 1, 1855, Dec. 22, 1855, April—, 1832, Jan. 14, 1855,	Washer, Cook,	\$2 per week and board \$2 per week and board \$2 per week and board \$16 per mo. and board \$16 per mo. and board \$2 per week and soard \$2 per week and soard \$3 per week and soard \$4 per week and soard \$5 per week and soard

DECEMBER, 1854.—METEOROLOGICAL OBSERVATIONS made at the State Lunatic Hospital, Worcester, Mass., Lat. 420 16' 17", Long. 170 48' 13".- Elevation, 536 feet.

		Remarks.					Snow, 14 inches. Slight		Slight snow.				Rain, moderate.	Slight snow.				Fog, A. M.	Fog, A. M.	Snow.	Ig inch snow.			Slight snow.	Snow.	Snow.	Hail and snow.			Rain.	Rain, moderate.	Rain and snow.			2.54=3.34. Snow, 153 inches.	
		Inches Melted	snow.	ı	i	1	2.50	1	ı	ı	ı	ı	ı	ı	i	1	1	1	1	1	.04	ı	1	1	i	1	ı	ı	ı	ι	1	1	1	1	2.54=	
TO COMPANY OF THE PARTY OF THE	SNOW	Inches	rain.	i	1	1	ı	ī	ł	ı	1	1	1	8.	1	1	ı	1	ı	ι	1	1	ı	1	1	1	1	ı	1	1	1	ı	1	1	.80	
	RAIN AND SNOW.	Hour	ended.	1	i	i	a. m.	ī	1	1	i	1	ı	12 m.	1	i	1	1	ı	1	9 a. m.	ı	1	I,	ı	ı	ī	ı	1	1	ı	i	ı	i		
AND COLUMN STREET, STR	RA	Hour	began.	,	1	04 a. m.	1	i	5 p.m.	ι	1	1	10 p. m.	64 a. m.	ı	i	۱,	1	1	73 a. m.	1	ı	ı	1	7 a. m.	p. m.	a.m.	1	ı	a. m.	1	12 m.	ı	1	ted snow	
		ree.	9 P. M.	N.W.	N. W.4	N. E. 4	N.W.	N. W.2	S. W.	do.	N. W.2	do.2		A	N. W.2	N. W.	S. W.	do.	do.	2	-	do.2	do.3	S. W.	N. W.2	N. E.2	S. W.	do.	S. W.*		E	Z.E	N.W.	do.	Inches rain and melted snow,	
	WIND.	Direction and force. 10=hurricane.	2 P. M.	N. W.2	N. W.	Z.	S. W.	N. W.	S. W.	do.	N. W.2	N. W.	S. W.2	N.W.	do.	N. W. 2	S. W	do.	do.	N. W.2	N.W.	N. W.2	do.2	S. W.	N. W.3	N. E.2	N.W.	Μ.	S. W.	S. E.	N. E. 2	do.2	N. W.	N. W.2	nches rai	
		Direc 10	7 A. M.	N. W.	N.W.	E. 2	N.E.	N. W. 4	S. W.2	S. W.	N. W.	N. W.2	N	do.	W N	N. W. 3	S. W.	do.	do.	N. W.2	N.2	N.W.	Z E	N. W.4	N. W.3	N. E.4	do.4	W	S. W.	S.	z	do.	N. E.3	N. W.4		
0	- ·s	COV-	9Р.М	~7	0	10	0	22	2	2	0	0	10	2	0	0	21	ಣ	4	10	0	0	0	0	10	10	2	00	0	10	101	10	10	0	3.6	
	CLOUDS.	10-quite covered	7A.M. 2P.M. 9P.M	4	67	10	10	2	တ	21	27	0	10	0	0	9	ဘ	2	9	00	10	0	0	10	01	10	10	2	0	10	10	10	10	0	5.6	
	၁ _	1 1		0	485 10	860 10	310	9	7 10	2	01 #	0	00	010	2,10	33	8	010	2 10	2	3 10	0 6	9	0	0 9	1 10	010	2	2	010	5 10	2 10	01 6	0	6.3	
	ER.	educed	9 P. M.	29.246	29,48	28.86	28.49(28.85	28.97	28.92	29.52	29.991	90	29.390	99 549	99 919	29,432	29.210	29.22	29 390	29.30	29.47	29,388	29.408	29.946	39 11	29,430 10	29,438			_	29.252 10	29.349 10	29.678	29.365	
	BAROMETER.	d and 1	2 P. M.	29.289	29.371	29,445	28.344	28,668	28,980	28.874	29.283	29.843	99 734	29.328	99.480	99 309	29,387	29 230	29.027	29,438	29.215	29.414	29.371	29,256	29.789	30,164	29.568	29,455	29,570	29,442	29 367	29 250	29.334	29.532	29 346	
	BAB	Corrected and reduced to 320	7 A. M.		29.214			28.670	29.013	28.944	29.108	29.831	29 812	29,435	99 462	99 493	29.388	29.390	29.068	29.394	29.281	29.420	29.437	29.332	29.691	30,129	29.804	29,453		29 523	29.487	29.070	29.353	29.471	29.421	
			Mean.	24	56	6	101	13	19	86	12	12	325	375	76	22	36.	36	43	50	17	9	5	17	4	10	25	40	41	37	**	35	14	21	24.8	
		OMETER.	9 Р. Ж.	22	20	30	18	12	23	55	19	17	9	50	9	33	22	: 65	37	20	01	63	0	22	5	200	233	300	345	34	3 2	24	13	22	23.4	
		THERMO	2 P. M.	27	31	200	27	: #	27	33	65	24	19	30	27	35.	49	5	55.5	76	24	12	1	23	9	133	25	46	4	43	35	35	202	28	31.8	
		TI	7 A. M.	24	200	15	35	10	6.	- 61	91	6	96	2 2	66	110	9 55	97	327	17	17	4	- 6	၊ ဗ	3	10	20	37	46	35	233	38	11	#1	20.7	
		uout to sa	i əų;	-	2	100	4		9	7	- 00	6	10	3=	10	12	14	115	16	17	18	19	20	21	22	23	57	25	56	27	28	66	33	31	Means.	
		səset səset	ld IV		-		0)							٣	1						0	,						A	1					Me	

JANUARY, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	SNOW.	Inches Melted Remarks.	snow.		1	1	- Rain, drizzling.	1	- Slight snow.	- Fog. Mist.	ı	1	1	06 Snow, 3 inch.	- Fog. Hail.	- Fog. dense. Rain.		- Slight snow.	- Slight snow.	1	1.75 - Rain.	Snow.	- Snow, 4 inches.	1	2.00 - Rain.	1	.10 - Snow, 13 inch.	1	Snow. Rain, 7 P. M.	- Snow, 3 inches. Squalls.	1	.04 - Rain.	1	1
	RAIN AND S	Hour			1	1	1	1	1	1	1	1	_ 	1	1	1	1	1	1	1	1	1	a.m.	1	3 p. m.	'	. p.m.	1	1	1	1	7 a. m.	1	1
	A	Hour	began,	1	1	1	1	1	1 p.m.	'	1	1	1	123 p. m	a. m.	a. m.	ı	1	I p.m.	, 1	a. m.		ł	3 p.m.		1	52 p. m.	1	а. па.	p. m.	9g p. m.	1	1	1
TOTAL CONTRACTOR	0.00	.e.	9 P. M.			S				S. W.2	N. W.2	N. E	N. W.	in in	3	4		S	N. W.4	N.	do.	N. W.	do.	N. E.3	N. W.2	N. W.	z. E	N. W.	N. E.2	N. W. 2	S. W.2	S. W.	do.	do.
CHARLES CO.	WIND.	10=hurricane.	2 P. M.	N. W.	N. E.3	N. W.	do.	N.W.	N. E.3	S. E. 2	N. W.	N.E.	N. W.4	N. E.2	S. W.	do.	N. W.4	S. W.	N. W.2	闰	N. E.	N.W.	do.	N. E.	N. 田.2	S. W.	ы	N. W.4	N. E.	N. W.3	S. W.2	S. W.	S. W.2	S. W.4
CHEST STREET	Dire	1	7 A. M.	N.W.	N. E.3	do 2	S. W.	N.W.	N. E.3	з. Ж	N. W.	do.	do.	do.	do.	S. W.	N. W.2	do.3	S. W.	N. W.2	Z. E.	N. W.	do.	N. W.3	N. E.2	Z.W.	S. W.2	N. W.3	S. E.	N. W.2	S. W.	S. E.2	N. W.3	S. W.3
	JDS.	d.	7A M. 2P.M. 9P.M.	0	10	10	10	0	10	10	0	01	0	10	0	0	0	10	10	01	10	10	0	10	0	0	10	0	01	0	01	0	0	4
Name and Park	CLOUDS.	ered.	A M. 2P.	0 0	0 10	0 10	0 10	0 0	0 10	01 0	0 0	0 10	0 0	0 10	9 0	0 10	0 0	0 10	0 10	0 10	0 10	0 10	0 0	01 0	0 10	9 9	0 10	0	0 10	0 4	6 10	9 0	0 0	6 2
	ER.	naanna	9 P. M. 7	30.003	39,17011	30.006	29.8561	29.225	29.193	29.873 1	29.242	29.805 1	29.871	29.3931	29.317	29.126 1	29.702	29.430 1	29.603 1	29.591 1	29.033 1	28 842 1	29.253	29.356	29.307 1	29.608	29.446 1	29 427	28.590 1	29.216	29 450	29.274 1	29.417	29 512
	BAROMETER	to 320	2 P. M.	29.867	30.141	30.050	29.859	29.034	29.251	29.834	29.218	29 885	29.877	29.565	29.244	28.946	29 614	29.491	29.450	29.630	29.250	28.817	29.151	29.450	28 717	29.500	29.541	29.378	28.923	28.913	29 488	29.072	29.367	29.462
0.000	Correct	Collect	7 A. M.	29.830	30.107	30.128	29.929	29.952	29 290	29.975	29.137	29.113	29.778	29.766	29.338	29.188	29.458	29.602	29.524	29.684	29.378	28.878	29.110	29.410	28.887	29.463	29.649	29.419	29.255	28.705	29.431	29.075	29.373	29.454
-	ئے		Mean.	19	18	30	38	34	23	41	35	32	23	21	34	37	12	23	24	21	31	83	27	22	41	53	25	19	27	53	24	41,	25	27
CHOMOMOTO MA	OMETER.		9 P. M.	18	21	34	38	53	25	43	28	34	15	53	35	31	11	30	22	55	32	28	27	35	78	50	53	15	35	18	27	33	25	29
D.C. STORY	THERMO		2 P. M.	26	50	34	41	38	24	49	37	35	24	25	33	46	14	27	26	25	35	53	30	53	44	58	25.5	56	30	25	58	48	33	31
	Ę-	1	7 A. M.	14	14	24	35	36	- 20	00 00	က	22	33	=	28	36	12	12	56	18	27	 08	25	21	53	21	77	17	20	18	17	44	22	22
E-paramore paramore p		SÄE	a_	-	21	က	41	50	9	~	œ	0	10	=	12	13	14	15	16	17	18	19	20	21	55	23	77	52	56	27	78	53	င္က	31
	S, U	10 0]	d W		i	0	}						1	y							0					-	7							

FEBRUARY, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	Remarks.		Slight snow.	Slight snow.	Slight snow.	0	Snow, 1 inch.		Snow.	Snow, continued.	Snow, 7 inches.					Snow. Rain, 73 P. M.	Rain, continued.	Fog, A. M.	Snow and rain. slight.												.98-4.48 inch. Snow, 8 inch.
	Melted	snow.	'	1	1	ı	1	1	t	ı	98.	I	ı	ı	ı	ı	I	1	1	i	1	1	1	ı	1	1	1	1	ı	1	-86:
SNOW	Inches	rain.		i	1	1	ı	1	1	ı	ι	1	1	1	1	1	1	3.50	1	1	1	ı	1	i	1	1	1	1	1	1	3 50
KAIN AND SNOW	Hour	ended.	,	ı	ı	1	ı	ı	t	ı	ı	ı	1	I	1	1	1	a.m.	ı	ı	ı	t	1	1	1	1	1	ı	1	ı	er.
жж	Hour	began.	11, a. m.	9½ p. m.	a.m.	ı	a. m.	1	6 p. m.	, I	4 p. m.	,	ı	1	i	2.5 p. m.	, 1	ı	1	1	I	1	1	1	1	ı	1	ı	ı	ı	Amount of rain and snow water
	force.	9 P M.	N. W.		S. W.	N. W.2	do.2	do 3	N. E.3	9.op	N. W.4	do.4	do 3	Z. W.	N. W.2	N. E.4	do.5	N.E	do.	N.W.	do.	N. W.4	do 2	N.W.	N. W.2	N.W.	do.	N. W.2	N. W.	do.	rain and
WIND.	Direction and force.	2 P M	N.E.	S. W.	do.	N. W.3	N. W.	N. W 2	Z		N. W.5	do 2	N. W.	do.	do.	N. E.4	do.4	Z. E.	do.	N. W.	N. W.2	do.3	do 3	N.W.	N. W.2	N.W.	N. W.3	do.4	N.W.	do.	mount of
	Dire	7 A. M.	N. W.2	N.W.	s. ≪	S. W.2	Z.E.S.	N. W.2	N.3	N. H.4	do.3	N. W.2	do.4	do.3	do.4	N. E.	N E.A	z Z	do.	N N	do.	N. W.2	do.3	N.W.	N. W.3	do.2	do.3	do.3	do.2	N. W.	Y
D 4.	10=q atte cov- ered	м. 9Р.м	4	00	0	2	0	0	10	01	0	0	01	0	0	10	2	10	10	0	0	0	0	0	2	0	0	4	2	0	7 33
CLOI DS	10=d at	7A.M 2P.M.	2 10	8 - 0	3	0 2	0 2	0 0	0 10	01 0	0 10	0 - 0	0 10	0 0	6 4	01 0	01 0	0 10	01 6	0 9	4 2	0	1 2	0 0	0 11	0 0	0 0	9 0	2	0 0	4 4.
		9 р. м. 7.	29.283	20 2 13	29.227	29.333	29.333 1	23.572	29.593	29.1501	20.3061	29.568	29.571	29 810	29.816		29.118 10	29.227.1	29 251 1	2).202	29 262	29 38) 1	29.603	29.376	29.435 1	29.475	29.163	29.124	23 444	29.754	20 397
CAROMETER.	Corrected and reduced to 320	2 P. M.		1>-	077	***		29 453	29.737	29.218	29 230	29.506	29.491	29.686	29 638	_	233	29.127	$29 \ 230$	29 181	_	29.376			29.369	29 468	29.192		395	29.674	27.367
BAI	Correct	7 A M.	29 429	29.368	2).099	29.213	29 231	20 333	29 746	23,363	29 165	29.438	23.533	29.647	29.867	29 784	29.381	29 176	29.274	29 235	29.226	23 283		29.539	29.361	23.468	29.343	2) 091	29.141	29.53	29 381
		Mean.	50	2)	20	6	S	07	4.5	1	15	13	12.5	19	21	53	36	37	333	32	31	53	30	21	21	6	Ξ	14	15	18	18.5
	OMETER.	9 P M.	19	56	15	~	~	#	_	14	15	9	18	18	24	32	34	37	32	32	20	28	28	33	12	10	10	16	16	18	193
	THERMO	2 P. M.	21	24	24	16	14	-10	-	14	18	20	23	28	30	32	38	33	36	38	35	34	35	36	21	15	17	18	18	25	23.5
	-	7 A.M	2)	15	21	~	4	1	-16.5	9	14	13	-3.5	11	Ξ	24	36	35	33	28	30	27	28	25	30	က	9	6	13	11	16
10	sys mon	(I			က	4	ō	9	7	S	C	20	11	12	13	14	15	16	17	18	19	20	21	55	23	24	25	26	27	28	Means.
S,	uou	IVÎ	(©	8						1	y						(0						-	A						M

MARCH, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	Remarks					:	Rain, slight.			;	Snow squalis.	Snow squalls.		Aurora, coronal arch.	Snow.	Snow, 2 inches.	Rain, slight.	:	Rain, slight.		Blue birds appeared.	Snow, sngat.				Snow, slight.	7	Snow.	Snow, 2 inches.			Lunar halo, 7 P M.		23 inches. Snow, 4 inches.	
	Melted	snow.	'	1	1	1	1	1	ı	1	i	1	1	ı	ı	80.	1	1	1	1	ı	ı	i	i	1	ı	ı	1;	.15	ı	1	1	1	.23 i	
WOW	Inches	rain.	1	ı	ı	ì	1	ı	1	1	ı	1	1	ı	1	1	1	1	1	1	1	1	ı	ı	1	1	ı	1	1	1	1	1	ı	ı	
WON'S UNA WING	Hour	ended.	1	1	1	ı	i	ſ	ı	ı	1	ı	ı	1	ı	a. m.	ı	1	ı	ı	1	1	1	ı	ı	ι	ı	i	a. m.	ı	1	1	1	er,	
A 43	Hour	began.	1	1	1	1	6½ p. m.	1	1	1	7 a. m.	a. m.	1	1	5 p. m.	, 1	a. m.	1	123 p. m.	1	i	a. m.	,	1	1	11 a. m.	1	p.m.	1	1	ı	1	ı	snow wat	
- Continued and	orce.	9 P. M.	N. W.2	N. W.	S. W.	do.	do.	N. W.	do.	N. W.2	N.W.	N. W.6	N. W.	do.	N. E.4	Z.W.	N. E.2	N. W.	z. E	N. W.2	N.W.	do.	do.	N. W.2	S. W 3	N. W.2	do.2	S. W.	N.W.	N. W.2	do.3		S. W.	Amount of rain and snow water,	
WINCE	Direction and force, 10=hurricane.	2 P. M.	N. W.	do.	S. W.	do.	S. W.2	do.3	N. W.2	do.2	S. W.	N. W.5	N. W.	do.	S. EE. 2	N. W.	N. H.2	S. W.	z. E	N. W.2	Z. W.	S. W.2	N. W.	do.	S. W.2	N. W.2	do.3	S. W.	N. W.2	N. W.	N. W.3		S. W.	nount of	
	Direc 10	7 A. M.	N. W.3	N.W.	S. W.	M	S. W.	S. W.2	N. W.2	N. W.	do.	Z.E.º	N. W.	S. W.	N. W.2	N. E. 2	do.2	N. W.	do.	do.	do.	S. W.2	N. W.	do.	do.	S. W.	N. W.3	do.2	do.2	Z.W.Z	N. W.2	N. W.	S. W.	An	
1	cov-	2P M. 9P.M.	0	0	0	0	10	0	0	0	0	0	0	10	01	01	10	0	10	0	0	0	0	01	2	0	0	10	0	0	0	0	c7	60	
	10=quite cov-		0	0	0	00	9	2	2	0	10	0	Ö	10	10	10	01	01	10	9	0	0	0	10	9	10	0	10	0	10	0	0	10	4.8	
,		1 5-	0	0	0 0	2 10	2	9 /	0 2	0	7 10	5 10	2 0	0 10	8 10	110	5 10	7 10	3 10	01 9	0 2	01 2	0 2	01 0	0	3	0	0 / 2	0 2	0 6	6 4	6	8 8	(C)	
	reduce	9 P. M.	29, 752	99.69	29.32	29.60	29.10	29.28	29.35	29.37	29.13	29.33	29 28	29.46	29.41	29 63	29.27	29.54	29.353	29.49	29.41	29.50	29.69	29.330	28.93	29.02	29.12	29.12	29.13	29.149	29.31	29,439	29.236	29.324	
TO SECURE AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF	rected and redu	2 P. M.	069 66	29 735	29.370	29.499	29.274	69,096	29.327	29.397	29,050	29.225	29.266	29 386	29.535	29.480	29,398	29.469	29.455	29.441	29.543	29.401	29.630	29.519	29.114	29.729	29.056	29.149	28.989	29.134	29.176	29.364	29.321	29.328	
The second secon	Corrected and reduced	7 A. M.	20 805	982.6	20 505	998 6	9 460	9.127	9 295	9.403	9 183	9.171	9 274	9 296	9.657	29 416	29.566	29.422	29.598	9.380	29.598	29.431	29 535	3) 664	9.258	28 551	990.68	921.6	9 047	29 223	9026	29.363	29.460	29.373 29.328	Annual an
The state of the s		Mean.	1	18			40	38	27	27	34	28	35	32	66	56			333	36	33	33	28	30	35		26	333	53	27	34		53	32.4	
	IOMETER	9 P. M.	16	3 2	38	3 50	40	31	25	27	37	16	500	20.00	66	6	800	3 23	33	34	31	26	53	27	34	17	29	32	25	25	34	43	64	31.9	
-	тнекмо	2 P. M	30	38	46	48	49	42	800	22.5	40	26	4	33	3.5	100	30.	4	31.5	42	33	40	35	6.5	37	32	33	33	332	600	30	53	09	38.3	
	E	7 A. M.	=	91	# 8°	33	2000	49.	2)	66	1.5	98	25	1 65	94	100	36	1000	34.	35	30	33	25	24	26	37	17	28	53	25	66	24	36	28	
	19 eq	T)ay	-	10	100	9 4	H 1C	9 0	1	. 00	00	10	2	10	100	2 4	1 10	91	17	00	16	23	21	22	23	24	25	26	9.7	88	200	8	21.5	uns.	
Chamber	8981 8981	old 1'ha	-		0)							٢	1						0)						6	1						Means	

APRIL, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	Remarks.		Rain.	Snow squalls.			Rain.	Rain.	i d	Rainbow, 6 P. M. Anrora		Snow, slight.			Rain.	flower.	Trailing Arbutus in	Rain. Dandelion in	Thunder storm. [flower.	Showers. Red maple.	Rain.		Puss willow.	Frogs peeped.		Thunder storm. Violets	Ltain.	7 C C C C C C C C C C C C C C C C C C C	Snow Rain slight.	Rain, slight.		
	Inches Melled	snow.	1	ı	1	1	1	1	ı	1 1	1	1	1	1	1	1	1	1	1	1	,	1	1	1	ı	1	1		-	1	5.39 inches.	
	Inche	rain.	.80	1	1	1	1	 <u>×</u>	1 1	.15	1	1	1.2	ı	1	1	ı	!	1	.40	1.7	1	1	1	1	1 5	4	l 1	1 1	1	5.30	
	Ilour Inches	ended.	11 a. m.	1	ı	ı	ı	a, m.	1 1	6 p. m.	. 1	1	a. m.	ı	1	1	ı	ı	ι	1	8 p. m.	1	ı	ı	ı	1	. p. m.		1	1		
	Ifour	began.	1 a. m.	ı	1	ı	3½ p. m.	1	1 1	15 a. m.	6½ p. m.	a.m.	1	1	II a. m.	ı	1	7 p. m.	7 p.m.	1	a. m.	1	1	1	J	p. m.	o p. m.		33 a. m.	. 1	nin.	`
	rce.	9 Р. М.	N. W.5	do.4	N. N.	do.	s. ×	do.		N. W.	S. E.2	N. E.	N. W.	do.	S. W.	N.	do.	S. W.	N. W.	Z Z	N.			≥; ×:		ه ا	N.S.	. 2	S of	ರ	Amount of rain.	
	WIND. Direction and force. 10=hurricane.	2 P. M.	N. W.	N. W.6	do.2	do.2	S. W.	do.	. N. W.	٠. ما do.	do.	S. E.	N. W.2	N. W.	S. W.	N. W.	do.	N. W.4	₩.	N. W.	N.E.4	N	S. W.z	≥. ≥.		E .	Z A Z	N W		do.	Ame	
Control of the Contro	Direction	7 A. M.	N. W.	N. W.5	do.2	N.W.	S. W.	do.	. A.	S. W.	N. W.	ei Ei	N. W.	0	S. W.	N. W.	do.	do.	do.	do.	N.	×.	· · · · · · · · · · · · · · · · · · ·	. N	·	. × . × . × . × . × . × . × . × . × . ×		100	S	ゼ		
	cov.	9г. м	0	10	0	0	10	20	<u> </u>	00	10	10	0	က	0	0	0	01	10	10	2	D	0	0	<u>د</u>	> •	20	0 0	90	01	4	
	CLOUDS. 10=quite covered	7A.M. 2P M 9P.M	9	2	0	0	9	20	> <	100	0	01	0	2	2	2	0	4	27	10	01	0	n (0	> 0	0 5	7) C	9	10	4.1	
		TA.M.	01	01	0	0	4	2.	# 0	20	0	10	2	0	2	2	0	0	0	0	0 <u>1</u>	0	တ (>	> <	> 2	2	0) O	10	4.4	
	Corrected and reduced to 320	9 P. M.	29.080	29.076	29.627	29.728			29.650	29.470	29.387	29.163	29.565	29.628		64		04		• •			29.624	29 689	29.461	487 62	90 630	989 06	262	29.554	29.437	
	BAROMETER rected and redu to 320	2 P. M.	28.567	28.880	29 452		64	29.121		35	29.494	29.148	29.397	29 572	29.397	29.386	29.008	29.630	29.428	29.280	29.289	29.094	23.494	23.698	23.4/8	29.495	20.01 90 446	29 644	29 718	29.622	29 416	
	Correct	7 A. M.	28.926	28.799	29.295	29 770	29,658	29.009	29.221	29 488	29.558	29.219		29.673	29.555	29.401	29 551	29.637	29.503	29.278	29.378	28.032	29.932	29.713	120.6Z	710.67	90.679	00 675	20 695	29.695	29 462	
1		Mean.	35	24	31	47	41	42	0 to 0	40	42	35	38	45	43	45	90	$\frac{5}{2}$	58	96	98	25	48	4. C. A.	000	20 4	46.8	44	36	40	43.8	4 2
	OMETER.	9 г. м.	24	26	32	33	42	44.6	220	32	40	98	37	43	4	40	48	47	58	47	35	40	10	44	000	44	4.7	44	37	40	41.2	
	THERM	2 P M.	44	26	37	55	49	55	40	74	90	37	43	49	47	48	1 9	55	99	66.5	98	31	/0	200	70	3 %	53.5	50.0	88	44	49.5	
The second second second		M A T	38	20	25	3)	34	333	32.5	9 :0	37	33	36	36	40	47	33	46	. 53	55	338	4.0	88.	64	40	200	45	300	88	37	38.8	
	ys of diana	8(I	-	01	00	7	5	91	~0	0 0.	10	11	12	13	14	15	16	17	18	13	3	77	7.7	23	7.7	38	070	36	253	33	Means,	
	8,400 83-8	1.p		0)					U	1					-	0							F	7						Me	

MAY, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

Comment of Comment of the Comment of		Remarks.		Rain.		Solar halo, A. M.	Rain, interrupted.	[Tulips.	,	Cherry tree.	Rain. Crown imperial.	Rain and snow. [winkle.	Cowslip, Anemone, Peri-	Missouri Currant.	Plum tree.		Rain, interrupted.	Apple tree.	Rain.			Ruin.	Rain.				Thunder shower, slight.	Lilac.							8.
The state of the s	_	Melted	snow.	1	ı	ı	1	1	ı	1	1	1	1	ı	ı	1	1	ı	1	ı	ı	1	ı	1	1	1	1	1	1	1	ı	1	1	1	inches
	S vow.	Inches Melted	rain.	.48	ı	1	1	ı	ı	'	1	.50	ı	1	1	1	1	1	ı	1	ı	ı	99.	1	ı	ı	1	ı	í	1	1	ı	1	ı	1.64
Consecutor	RAIN AND S COW	Hour		a.m.	ı	1	ı	1	1	1	1	a. m.	1	1	1	ı	1	1	1	1	1	,	a. m.	ı	1	ı	ı	ı	1	ı	ı	ı	1	1	
C L T	R.Y.	Hour	began.	ì	1	1	5½ p. m.	1	1	1	1 p. m.	1	ı	1-	1	1	1 p. m.	1	5 p.m.	-	1	7 p. m.	1	1	1	1	6½ p. m.	1	ı	1	1	1	1	1	uin,
	_	rve.	9 P. M.	N. E.2	N. W.	do.	do.	do.	do.	do.	N. E. 4	N. W.	do.	S. W.	M	N. W.	do.	S. E.	S W.	N. W.	do.	ري القا	w .z	N. W.4	z Z	સ	<u>`</u>	do.	do.	do.	do.	do.	S. W.	do.	Amount of rain,
	WIND.	Direction and force.	2 P. M.	N. E.	N. W.2	N. W.	N. W.3	do.4	do.4	N. W.	N. E.4	N. W 6	N. W.2	S. W.	.₩	N. W.	S. W.	do.	do.	N. W.3	N. W.	S. El	N. W.4	N. W.5	ei Z	. W.	W.	N. W.	N. W.4	do.4	N. W.	S. W.	do.	do.	Ame
THE PERSON NAMED IN COLUMN		Direc 10	7 A M.	S. E.	ż	Z. W.	do.	Z. W.2	. W.	do.	N. E.4	do 5	N. W.2	S. W.	S. Ei	Z. W.	S. W.	do.	do.	N. W.	do.	S. W.	N. E.4	Z. W.4	ż	Z. W.	S. W.	N. W.	Z. W.2	do.3	Z. 8.	S. W.	do.	do.	
	ż	-70.5	M 46	10	0	0	10	0	0	0	10	2	0	9	0	0	9	9	9	0	0	10	10	9	10	9	0	0	0	0	0	0	0	0	33
	CLUUDIS.	10=quite cov-	2P M. 9P M	10	0	7	9	4	0	0	10	10	7	၁	4	0	10	9	9	0	0	10	2	9	10	0	0	4	0	0	0	0	0	7	3.9
	5	10=(TA M	10	07	= ,	0	0	×	4	10	2	သ	9	ಣ	0	9	2,0	0	0	0	0	2	0 :	2	2,0	0	0 0	0	0	0	02	0	0	3.7
- 1	ER.	Corrected and reduced to 320	9 Р М		29.631	29 454	65	23.366	53	2) 332	23.255	82		29.441	2),471	29.511	29 471	29.	3	29 529	29.	29 3 14	29.223	29.210								29.598		23 675	29.418 29.415
	BAROMETER	1 320 1	2 P. M	29.374	9.574	29.536	29 389	$\frac{59}{2}$	29.331	29.306	29 232	29 4.18	29.492	29,406	29.396	29.496	29.433	29.405	29.238	29.393	29.616	29.451	29.095	29.165	29 320	29.432	29.353	29.335	23.379	$29 \ 356$	29 498	811 6	29.698	29.69)	9.418
1	B.1 R	rrecto	7 A. M. 2					337	377	351		_		• •					3.96	354	649	532										535	728	748	29.413 2
	_	<u>ဒီ</u>		53	23.	29	29	29.	67	53	29	23	29.	29	29	29	- 29	62	29	29.	29.	29.	23	23	25	29	52	29	53	29	53	23	29	23	29.
DATE:		ی	Mean.	48	49	19	19	10	20	47	41	S .	24.	96	29	69	86	29	22	60	9	ŦĠ	90	64	40	40	000	104	000	90	99	50	9	?9	58
Constant of the last	ď	OMETER	9 P M.	42	44	6)	46	26	G:	44	40		44.	7.0	60	20	29	64	20	57	53	47	00 5	40	£.	40	70	99	4/	93	53	£0	62	19	50.0
ACCOUNT MADE AND ADDRESS OF		THERMO	2 P. M.	62	65	61	99	66	200	55			20		77	6.17	25	77		<u> </u>	68.5	31	60	40	6	200	25	25	200	0.1	200	71	22	6/	63.7
CHEMINETERIOR			7 A. M.	41	68	42	60	53	53	43	41	37.5	44	51	51	19	29	09	29	63	59	53	46	46	4.5	ري د د	98	7.9	47	53	29	62	99	99	19
CTICK SOURCE		ays nom		-	27 0	m ·	4,	0	9	_	∞	o ;	07	1	12	133	14	5	91	17	25	61	25	7.7	222	223	77.	36	526	77	23	67	60	31	ns,
Chargements	8	100 14881	A	0)					,	y						(1							F	7							(9	Means,

JUNE, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

-	elted Remarks.	snow.	1	- Rain, slight.	- Rain, cont'd, interrupt'd	- Showers. Rainbow 4 P. M.	- Showers.		- Rain. Th. storm. 73 P M		Rain.	- Rain. continued.	- Shower.	- Rain.	1	- Shower, slight.	- Showers.	1	1	1	- Rain.	- Rain, cont'd. Showers.	1	- Shower. Lightning.	1	- Fog, A. M. Rain.	- Rain, continued.	- Rain, continued, inter	- [rupted. Th. storm	- Showers.	- Thermom. SS 33 P. M.	- Thermom. 92 3 P. M.	hes.
SNOW.	Inches Melted	rain. s	1	1	.35	.15	.15	ı	ı	.35	ı	.65	ì	.34	ł	i	1	ı	1	1	1	.35	1	 08:	ì	1	08.	.75	ı	1	ı	ı	4.19 inches.
RAIN AND SNOW	Hour	ended.	ı	i	ı	p. m.	1	1	ı	a. m.	1	16 a. m.	1	а. па.	ı	1	1	1	1	1	ı	8 a. m.	ı	8 p. m.	ı	ı	ı,	8 a. m.	1	1	1	ı	
RA	. Hour	began.	ı	a. m.	ı	ı	p. m.		65 a. m.	2 p. m.	p. m.	1	a.m.	a. m.	1	15 a. m.	1	1	1	1	33 p. m.	1		64 p. m.	1	o b.m.	1	ı	1	1	i	ı	in,
	orce.	9 Р. М.	S. W.	do.	do.	do.	N. W.	do.		S. W.	do.	S. E.º	N. W.	do.	S. W.		do.	S. W.	Z.W.	do.	S. El	S.	N.	. W.	do.	do.	S. H	S. W.	N. W.	S. W.	do.	do.	Amount of rain,
WIND.	Direction and force. 10=hurricane.	2 P. M.	S. W.	S. E.	S. W.	do.	N. W.	do.	S. W.	S. W.2	S. W.	S. E.6	S. W.	N.W.	S. W.	N.W.	do.	do.	do.	do.	S. Ei	do.	M	S. W.5	. w.	Q	र्य	S. W.		S. W.	Ż.	.× .×	Ame
	Dire 10	7 A. M.	S. W.	S. E.	S. W.	do.	N. W.	do.	S. W.	N. W.4	N. W.	S. W.	s: H	N. W.	S. W.	N. W.	do.	do.	do.	do.	S. E.	do.	.×.	do.	do.	do.	.×.	do.	Z. W.	S. W.	N. N.	·	
3.	cov-	9г.м	10	10	10	27	0	0	10	01	ಣ	10	=	2	9	2	2	9	0	0	10	9	٠,	3.	# ,	07.		က	0	3	27 0	7	4.8
CLOUDS.	10=quite cov-	7A.M. 2P.M. 9P.M	10	10	10	0	0	0	10	10	9	2	0	9	ಣ	67	01	27	0	0	9	0 10	~	9	3	2;	70 70	c7 /	20 (.7	ے د		4.5
၁	10=	7A.M.	2	10	12	10	21	0	10	0	9	10	10	10	2	21	2	0	0	0	9	10	-	n 0	> ·	4,	2:	2	0	9	0	>	5.3
ER.	educed	9 P. M.	29.517	29.473	29.321	29,380	29.388	29 453	28.936 10	29.136	29.283	29.161	29.306 10	29.516 10	29.481	29.336	29.221	29.250	29 542	29.666	23		224.62	29.240	29 000	29.411	25.4±	29.584	29.612	29.493	29.334	23.0/4	29.445
вакометек.	Corrected and reduced to 320	2 P. M.	29.542	29.473	29 346	29.211	29.603	29.462	29.194	29.098	29.281	29.111	29.101	29.419	29 494	29.350	29.131	29.739	29.470	29.653	29.581	29.316	29.63	29.597	705.60			29.478	29.682	29.402	29.391		29.381
Вл	Correct	7 A. M.	29.561	29.574	29.371	29.259	29.380	29.482	29.389	29.014	29.286	29.272	29.031	29.422	29.565	29.444	29.252	29.318	29.446	29.664	750.647	29.374	20.00	90 416	014.67	23.040	100.07	29.03	23 029	29.000	90,309	20.00	29.442
	دة	Mean.	34	65	63	, 6g	99	£9	£9	09	53	63	64	55	59	19	0.9	70	3	23	70	000	36	25	199	3 8	3 6	200	35	25	25.0	3	64.3
	OMETER.	9 P. M.	61	63	09	55	55	69	19	19	58	62	62	53	58	96	20	7 0	200	200	27.0	000	2 5	36	65	3.5	3 6	200	3:	25	218	,	62.6
	THERMO	2 P. M.	71.5	99	65	89	65	2	55	64	99	150	71	3	99	99	9	25	72	60	င္ပင္	22	202	76	2.5	789	12	-0	110	01	06		71.2
	7	7 A. M.	69	89	62	59	53	61	99	57	50	29	63	49	53	63	20	10	28	70	÷.	64	99	69	99	36	2 2	35	1.	94	8.4	5	63.1
J	uom o 8 Co	a.	-	-1°	ಞ	4	5	9	<u>~</u>	တ	a ¦	10	=	21	13	14	15	07	7	25	AT O	35	170	3 6	30	9%	000	2 10	770	000	3 68	3	ans,
S	uooj.	A N						1	y			٠			(9							F	7						6)		Means,

JULY. 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	8								Rain.										.:							ted. Fog.	rs.			htshower.	ted.			
	Remarks.			Slight shower			Slight shower.	Shower.	Fog, A. M. R				Kaın,		Kain.				Shower, slight.			Rain.	Rain.	;	Shower, slight.	Rain, interrupted.	Rain. Showers.	Shower.	Rain.	Fog, A M. Slightshower.	Rain, interrupted		Rain.	
	Melted	snow.	1	1	1	1	ı	1	1	ı	1	1	ı	ı	ı	1	1)	١.	ı	1	1	ı	1	1	1	1	1	1	1	ı	1	1	
SNOW.	Inches	rain.	ı	1	ı	1	ı	1	.15	2.35	ı.	1	60.	1 6	.25	ı	1	1	ı	ı	1	38.	689	r	1	7	90.	2	3.60	i	.22	ı	68.	0
RAIN AND SNOW	Hour	ended.	1	1	ı	1	1	1	1	a. m.	1	ı	10 a.m.	1	104 p. m.	ı	1	1	1	ı	1	11 a. m.	10 a. m.	1	ı	ı	a.m.	1	12½ a. m.	1	1	1	6½ a. m.	
RA	Hour	began.	1	33 p. m.	1	1	3 a. m.	4 p.m.	10½ a.m.	1	ı	1	6 a. m.	1	6 p. m.	1	1	1	11 p. m.	1	1	6g a. m.	l a. m.	ı	p. m.	ı	p. m.	2 p. m.	1	p. m.	3 p. m	1	2 a. m.	Ì
	orce. e.	9 P. M.	S. W.	W.	S. W.	do.2	do.	s E	N. E.3	N.W.	do.	S.	×.	S. W.	do.	N. W.	do.	S. W.	do.	do.	N. W.	S. W.	S.	do.	do.	do.	Z.W.	S. W.	do.	S. 国	do.	S. W.	do.	
WIND.	Direction and force 10=hurricane.	2 P. M.	S. W.	S. W.3	S. W.	do.	do.	х. Е	N. E.3	N.W.	do.2	S.	do.	N.W.	S. W.	N.W.	do.	S. W.	do.	do.	do.	s. Ei	do.	do.2	do.	do.	Z.W.	S. W.	N. W.	N.E.	S.	S. W.		-
	Direc 10	7 A. M.	S. W.	do.	do.	do.	do.	s.	N.		do.	do.	S. W.	N. W.	S. W.	N. W.	do.	S. W.	N. W.	S. W.	do.	S.	zi zi	.×.	si Fi	Z. E.	N.W.	S. W.	N.W.	E E	do.	S. W.	do.	
ac.	-A00	7A M. 2P.M. 9P.M.	0	27	27	00	0	10	10	67	0	07	0	03	10	0	0	0	0	03	0.1	0	10	4	10	10	0	10	23	00	0	4	0	1
CLOUDS.	10=quite cov- ered.	2P.M.	0	4	4	2	9	10	10	23	0	07	9	67	03	2	9	0	0	2	67	10	10	07	10	10	ಣ	10	4	01	10	21	6	
CI	10=(7A M.	0	0	2	0	10	0	01	6	0	0	2	0	63	07	0	₹	0	23	က	0	01	0	2	10	က	41	0	01	10	10	10	1
ER.	panne	9 Р. М.	99 351	29.414	29 620	99.504	29.552	29,493	29.441	29.671	29.641	29.505	29.420	29.412	29.3 12	29 553	29.795	29,691	29.521	20.464	29, 324	29.673	29.647	29.697	29.644	29,456	29 480	29.370	23,408	29 435	29,455,10	29.438	29 415 10	
BAROMETER.	Corrected and reduced to 320	2 P. M.	99 344	99.396	99.660	99 509	29 504	99,522	29.378	29.673	29.633	29.518	29.410	29.389	29.294	29 492	29.770	29.670	29.541	29.489	29.283	29.521	29.581	29.663	29.651	29.645	29.410	29.261	29.338	29 428	29 405	20 407	29.410	100
BAI	Correct	7 A. M.	90 389	99 337	99 560	90 508	29.510	869 66	29.446	29.519	29.824	29.581	29.393	29.425	29.375	29.418	29.588	29.821	29.608	29.497	29.392	29.42)	29 612	29.696	29.686	29.651	29.518	29 473	29.275	29.438	29.418	29.448	29 410	
	نم	Mean.	85	88	75	76.5	76	73	62	62	69	69	29	92	7.5	72	71	69	85	81	83	99	09	62	61	99	62	62	20	67	65	22	75	
	OMETER.	9 P. M.								09																								1
	THERMO	2 P. M.	91.5	2.68	88	200	81.5	76	63	69	23	92	9/	85	85	77	62	80	88	87	91	89	65	69	64	67	84	84	72	75	69	85	70	1
	T	7 A. M.	68	767	74	12.	72	731	65	99	99	62	65	73	202	7	99	89	79	79	80	- 20	99	69	58	62	75	92	92	65	63	22	69	000
'ų'	io syi	tpe Da	-	0	। es	4	110	9	_	œ	6	10	11	12	13	14	35	16	17	18	19	20	21	22	23	24	25	26	27	28	53	33	31	
	e'noo	M						٣	i					1	0	,							-	<u> </u>							0	F		

AUGUST, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

SEPTEMBER, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

																																_	
	Remarks.												Aurora, S P. M.		Slight rain.		[erate.	Fog, A. M. Rain, mod-				Frost, A. M.	Slight rain.						Slight shower.)		Fog, A. M.	
	Melted	snow.	1	1	1	1	ı	ı	1	ı	ı	1)	1	ı	ı	1	1	ı	1	1	1	1	1	1	1	ı	1	1	1	ı	1	20 inches.
SNOW.	Inches	rain.	1	ı	1	ı	ı	1	ı	1	1	1	ı	ı	ı	1	ı	22	1	1	1	1	ı	1	ı	ı	1	1	1	1	1	1	. C2.
KAIN AND SNOW	Hour	ended.	1	ı	1	1	1	ı	1	1	1	1	ı	1	1	1	ı	p. m.	1	1	1	ı	ı	1	ı	1	1	1	1	ı	1	ı	
KAI	Hour	began.	1	ı	ı	1	ı	1	1	1	1	ı	1	J	a. m.	1	1	10 a. m.	1	1	1	ı	2 p. m.	1	ı	1	1	1	5 a.m.	1	ı	1	<u> </u>
	rce.	9 P. M.		S. W.		. •	do.	do.	do.	S. W.	N. W.	S. W.	Z. W.	S. W.	do.	S. E.	_		do.	ei Ei	N. W.	-	-	S. W.	ei,	do.	N. W.	_	lo.	₩.	S. W.	~ 크	Amount of rain,
WIND.	Direction and force. 10=hurricane.	2 P. M.	S. E.		S. E.	S. W.	N. W.	do.	do.		do.		Z. E.		do.	S. E.		do.		S. Э.		do.	_		do.	_	Z.	N. W.			S. E.		Amou
	Direct 10=	7 A. M.		S. W.			do.	do.	do.	S. W.	do.	N. W.	S. W.	do.	do.	-	S. W.	S. E.	S. W.	do.	do.		<u>`</u>	do.	do.		Z.	S. W.	do.	N. W.	do.	S. Ei	
_	- A C	P.M.	0	0	0	0			က		 0	0		2	~~ ©1	0	0	0	0	0		0				9	_ 0	9		0			2.8
CLOUDS.	ite co	.M. 91		_		_	_	_	-#	~		~	_	~		~	_		_		_						_		~	_	_	~ ~	3.8
CLC	10=quite cov- ered.	7A.M. 2P.M. 9P.M.		_	= _	<u>=</u>	_	_	_				_	_		_	·-	-	_		~		~	0		_	_	_	_		_	 	
13.		9 P. M. 73	29,491 10	29.491	29,566 10	29.846	29.767	29.642	29.588	9.372 (9.372	29.468	29.508	29.385	29.343	29.703	29.541	29.42310	$29 \pm 10 10$	2).44316	29.343	29 640	9.412	9.572	29.722	29.743	2.1.406, 10	20.734[1(29 336/10	29.650	29.697	29.600	29.530 4.1
BAROMETER.	Corrected and reduced to 320	2 P. M. 8		_			29.879			29.378 2	29.329 2		29.448 2	74					463	304	483		20.407 2		•					29.554 2		3.808.6	20.534 2
SARO	ected	-	1 0 1		100		777 29	•		٠.			_	•••		-		-	-												=	81 25	
	Con	7 A. M.	29.620	29.508	23.547	29.656	29 7	29.755	29.750	23.496	29.380	29.440	29.487	29.473	29.3)5	29 7	29.686	29.477	29.494	29.3	29.585	29.729	29.581	29.400	29.610	27.813	29.615	20.402	29.161	29.523	29.750	29.681	29.560
	ب	Mean.	65	2	69	56	09	(9)	63	73	75	65	29	92	68	99	54	62	69	99	42	49	96	96	503	10	70	63	50	46	49	69	60.1
	METER	9 P. M.	68	5,0	56	51	56	56	19	72	68	59	64	7.5	22	52	54	09	89	50	40	48	55	53	45 ئ	4/	7.0	65	53	4.5	48	65	58.2
	гневмом	2 P. M.	69	9/	64	64	7	73	7.4	68	833	22	28/	86.5	71	1 9	67	99	282	80	42	99	64	63	19	9	65	73	63	69	63	20	68.5
	T	7 A. M.	58	202	62	53	53	52	99	69	74	63	61	69	7.8	52	19	62	62	- 20	44	44	09	10	55	47	46	99	61	46	38	42	56.1
·uı	o sys	the Da	-	2	00	7	10	9	7	. 00	6	10	11	12	13	14	15	16	17	18	19	50	21	22	23	7.7	25	26	27	23	53	30	uns,
-	e9esi	IA W.			٣	,							0	,							<u> </u>					į	_ ()						Means,

OCTOBER, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

		Downstr	temans.	Rain. [storm.	continued.	Rain, cont., interrupted.	Kain. Rain	Rain.						Rain.	Rain.	Kain.						Rain.	Rain, continued.		Kain.	Kain, continued.			Bain		Rain. Squalls.	Rain.	
THE REST OF THE PARTY.		Toltod	snow.	1	1	,1	1 1	1	1	1	1	ı	ı	ı	ı	ı	ı	ı	ï	ı	1	1	ı	ı	ı	ı	ı	ı		ı	ı	1	inches.
recorner.	NO.	Prohog Moltod	rain.	1	1.35	1.50	14.	06	1	1	1	ı	ı	r	.50	200	ı	ı	ı	1	1	1	99.	ı	1 0	1.88	ı	ı	40	1	1	.20	8.17
Coner	N AND SYOW	Hour		,	1	S p. m	91 a. m.	0kp. m.	-	1	1	1	ı	1	a. m.	11 p.m.	1	ı	1	ı	1	1	9 p. m.	1	1	p. m.	ı	J]] a m		ı	a.m.	
The state of the s	RAIN	Hour	began.	4 a.m.	1 .	_	- In .d -	12 m. 1	1	1	1	1	1	II a. m.	1	6½ p. m.]	ı	1	1	ı	1	9½ p. m.	ı		o p. m.	ı		1	4ka m.		7 a. m.	1	in.
27.1.77		orce.	9 P. M.	Z E	do.	×. ₹	. E.	do.	N. W.	do.	E E	N. F	٠ ا		•		· A	· ·	- M .	0		do.	zi,		ia o'a	i k	N. W.	0 00°	. A		do.	do.	Amount of rain.
	WIND.	Direction and force.	2 P. M.	N. E.	do.	i E	do.	do.	N. W.	do.	E I	× F	यं ,		. w.	do.		i i	· A	do.	. w	do.	×	do.	d F	4	. A.	٠٨٠.٢٦	S. W.	N. W.	do.	do.	Amo
		Direc 10	7 A. M.	S.		do.		do.	N. W.	do.	do.	do.	A R	Ξ.	do.	·	14. W.	do.	do.		do.	do.	H			N N	- W - M	S W		N.W.	S. El	N. W.	
	œ.	cov-	2Р.М. 9Р.М.	10	2	ი ⊆	0	10	0	0	9	0 9	21	01	> 5	20	0	> <	0	> <	0 9	01	07	0 0	10	2	00	00	0	0	0	0	4.
1	CLOUDS.	10=quite cov- ered.		01	9	ာဇ	0	10	0	4	9	0 9	2	OT.	-	00) G	ə c	> <	> 0	> 0	٥	25	30	9	2 6	10	2	101	0	9	0	4.4
II			7A.M.	10	2	22	0	10	0	0	0	٥ ٩	5	2.5	3 0	V C	> <	0	ے د د	o =	40	25	2 °	0 0	9 =	30		0	10	0	10	0	4.3
Ш	EK.	Corrected and reduced to 320	9 Р. М.	29.324	29.063 10	29 028 10	29.		23 422	29.487	29.042	29.629	00.4.00	23.249	1/0.62	00 4 10	90 545	00 K99	000.00	00 500	280 82	286.82	202.12	90.020	90 461	99 349	99 483	99 949	29 29 4	29.543	29 612 10	29.760	29.344
The second	BAROMETER	ed and r	2 P. M.	29.377	29.144	29.023	29 328	29.248	29.353	29.432	710 GZ	29.091	0000	28.230	117.67	50.454	90.46)	50 501	20.001	00.010	784.42	220.022	100.02	90.871	90.02	90.6 06	29.537	28.958	28 958	29.342	29.340	29.777	29.360
,	BAB	Correct	7 A. M.		29.620	29.111		869	29.331	29.475	29.000	29.029	000.00	00.00			214.67	00 565	20.010	20.02E	20.000	000.07	020	361	303	122		29.324	_		29.463		29.411
	_		Mean.			59						2 10		-	-		49	-		_						_			38				49.5
		THERMOMETER.	9 P. M.	58	200	54	62	65	44	ار دار دار	00	3 6	1 0	3 5	2.4	1 2	45	38	3 %	2 4	2 4	2 12	3 0	45	48	98	37	37	37	35	42	940	48
		1ERMO	2 P. M.	09	55	65.	72	89	56	55	000	58	000	3 5	7 12	5.0	27.0	99	2 7 7	2 7	+ 63	110	2 00	5.0	54	43	46	47	41	46	93	ng Dg	56.4
	Ē	5	7 A. M.		29	58	55	62	49		77.0	44	202	3 5	200	308	45	41	38	300	5 2	2 12	26	000	68	40	34	41	38	35	44	42	45 7
	of dri	ays	eu1		N 0	9 41	5	91	- 0	ω c	9 6	2 [10	700	3.4	1 12	92	17	3	01	00	96	176	250	5.6	25	26	27	28	29	000	31	ins,
	8	1000 -884	d	,	ا ا)					•	3	-						F	1						C)					İ	Means

NOVEMBER, 1855.—METEOROLOGICAL OBSERVATIONS—Continued.

	Remarks.				Rain.	Rain.			Mist. Rain. Drizzling.	Rain.				Rain, Drizzling.				Rain. Showers.	Ice, Snow, Rain, 9 P. M.				Snow, Hail, Rain. Snow	[2 inches.	Rain.		Rain.	Rain, slight.					5.85 inches. Snow, 2 inches.	
	Melted	snow.	ı	1	1	ı	1	ı	t	1	ı	1	ı	1	1	1	1	1	1	1	1	1	1	1	1*	1	1	1	1	1	1	1	nches.	
SNOW	Inches	rain.	1	ι	1	2.15	1	i	.10	.46	i	ı	ı	1	2.40	1	ı	1	1	.16	ı	1	.58	1	1	ı	900	ı	1	1	1	1	5.85 i	
KAIN AND SNOW	Hour	ended.	1	ı	1	7 p. m.	۱,	1	ι	p. m.	1	1	ı	ı	53 a. m.	1	ı	1	1	a. m.	1	1	p. m.	1	ı	1	m.	1	1	1	1	1	water,	
RA	Hour	_began.	ı	1	23 p. m.	, 1	1	1	1	1 p. m.	1	ı	1	13 p.m.	1	1	1	p. m.	44 p. m.	1	1	1	7 a. m.	1	7 p. m.	1	6 p. m.	6 p. m.	1	1	1	ı	and snow	
	oree.	9 P. M.	S. W.	i i i	do.	N. W.	Ä.	do.	S. E.	do.	Z. W.	s. w.	E Z	do.	N. W.	do.	S. W.	N. W.3	N.E.	N. W.	do.	do.	S. Ei	N. W.	S. W.		S. W.	Μ.	S. W.	do.	N.E	N. W.	Amount of rain and snow water,	
WIND.	Direction and force. 10=hurricane.	2 P. M.	S. W.		do.	do.	N. W.	S.	do.	do.	.w.z	E Z	E.	i E Z	N	do.	S. W.	S. W.2	S. H	S. W.	S. El	N.W.	S. E.	N. W.	S. W.	N. W.2	S. W.	do,	do.	do.	ż	N.W.	Amour	
	Direct 10	7 A. M.	S. W.	Z. E.	do.	do.	N.W.	H H	S.	N.W.	do.	Z.	W.S.	S S	Z	N	do.	S. W.	N. W.	Z.E.	N.W.	do.	S. E.	N. W.	do.	N. W.4	W.2	S. W.3	W.	S. W.	ż	N. W.		
DS.	e cov-	г. 9Р. м.	0	10	10	10	10	10	10	10	0	0	10	10	0	0	C1	10	10	0	9	0	10	10	10	0	10	10	0	0	0	0	1 5.6	
CLOUDS	10=quite covered.	7A.M. 2P.M. 9P.M.	0	10	10	10	0	10	10	01	0	2	6	10	0	0	4	2	10	0	10	0	10	0	10	0	10	4	5	0	0	0	4.9 5.1	
.R.	1 1	9 P. M. 7A	29.439 10	29.512 10	29.648 10	29.760 10	29.827 10	29.685 10	29.550 10	29.647 10	29.843 C	9.742	0 819	9 687 10	00 699 10	9.605	9.547	9.369 10	9.568 0	29 565 10	8 089 68	0 282 0	29.186 10	29.728 0	29.062 0	29.573 0	9.209 4	29.062	29 422 0	28.812	9.173 0	29.631 0	29.515	
BAROMETER.	d and re	2 P. M.	29.501	29.461	9.671	9.653	9.843	678 9	9 573	9.425	9.843	29.811	99 661	192 6	29 556	9.606	9.607	9 114	9.643	9.492	9.503	9.732	29.383	9.606	9.361	9.435	9.461	29.117	29.330 2	28.938	8.925	9.525	29.514	
BAR	Corrected and reduced to 320	7 A. M.	29.606		29.691	29.631	29 854 2	29.778	29.648	29.483	29.758	29.880 2	-	29.835	99 583 5	29 663	29.641	29.357. 2	29.544 2	29 392 2	29 487 2	29.730 2	29.645 2	29.256 2	29.581 2	29.092 2	29.714 2	-	29.260 2	29.536 2	28.443 2	29.450 2	29.500 2	
	.:	Mean.	03	52	46	41	45	43	45	48	43	41	48	44	49	47	49	53	28	36	30	24	56	22	44	34	35	43	33	34	56	25	39.	
	OMETER.	9 P. M.	50	46	36	000	41	43	47	45	36	41	47	46	43	46	48	47	27	35	56	24	60	17	58	21	42	37	34	34	23	30	38.	
	THERMO	2 P. M.	09	09	58	46	9	46	46	52	56	49	57	4 5	45	26	99	69	33	36	355	28	31	24	89	27	38.	49	38	36	25	35	4.5.	
	Т	7 A. M.	40	50	49.	368	34	40	49	49	33	34	49	43	40	40	45	20	27	33	28	20	24	26	91	54	17	43	53	34	31	20	35.5	
J	oon,a wont wont	D	1		000	4	110	9	- 4	- 00	6		-	15	2 00	14	19	16		8	19	20	212	-	© 23	_	25	26	27	28	53	30	Means.	

Summary of Meteorological Observations.

-		-16°.5 91°.5	r: 23°.6 44°.7 67°.6 49°.5	46°,3	212 149 88 278	55.05
	neter	7 %	metery,			
	Extremes of Thermometer		Daily Mean of Thermom For Dec., Jan. and Feb., March, April and May, June, July and August, Sept., Oct. and Nov.,	•		51.04
	of Th		of T and pril ary and y and ;; and	554-5,		
	emes		Mear., Jan ch, A ch, A ch, L., Oct	of 18	Days,	ches,
	Extr	February 7, July 1,	Daily Mean of Therm For Dec., Jan. and Feb., "March, April and Ma "June, July and Aug." "Sept., Oct. and Nov.	For year of 1854-5,	Total D	Total inches,
		10	<u> </u>		:	
	Nov.	35. 38.	29.500 29.514 29.515	4.9 5.1 5.6	61 22 23 23 23 23 23 23 23 23 23 23 23 23	5.85
	Oct.	45.7 56.4 48.	29.360 29.314	4.4.4	18 13 10 21	8.17
	Sept.	56.1 68.5 58.2	29.534 29.534 29.530	2.88 2.88	12 19 11 20	22.
	Aug.	63. 73.8 63.5	29.458 29.522 29.462	25.02. 20.03. 20.03.	15 16 6 25	4.06
	July.	69.6 81.3 72.	29.520 29.433 29.502	4.4.6. 4.9.4.	22 22	9.40
	June.	63.1 71.2 62.6	29.442 29.381 29.445	6.4.4 6.6.8	11 19 5 25	4.19
	May.	51. 63.7 50.9	29.443 2).418 29.415	00.00 00.00	21 8 4 27	1.64
	April.	38.8 49.5 41.2	29 462 2 29.416 2	4.4 4.1 4.1	17 11 6 24	5.39
	March. April.	28. 38.3 31.9	29.373 29.328 29.324	ట 4: ట స		23
	Feb.	16. 23.5 19.3	29.384 29.367 29.397	4;4;6; 1-65	25 6 22 6 22 6 23 6 23 6 23 6 23 6 23 6	3.50 .98 8.
	Jan.	24.5 31.2 27.1	29.427 29.418 29.449	6.57 6.35 8.35	19 11 11 20	7.85 9.
	Dec.	20.7 31.8 23.4	29.421 29.346 29.365	6.0 0.0 0.0	21 26 26 26	.81 254 153
			\$25		ailed	• • • •
		.:			prevampass	
		ter at	at		Wind he co	. ter,
	1854-5.	mome	neter	ess at	f of t	n, w Wa w,
		Ther	Багол	oudin	which half	f Rai f Sno f Sno
		Mean of Thermometer	Mean of Barometer at	Mean Cloudiness at .	Days on which the Wind prevailed from N. half of the compass, S K E K	Inches of Rain, of Snow Water, of Snow,
	1	Me	Me	Me	Day	Inc

Amount of Rain and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Fourteen Years.

1)	snow.	18,	4,	72.	54.	31.	39.	.63	6.11	.69	55.	33	33	.0	38.5	746.	53.4
Total.	Rain. Inches		_														
	Inches	40.25	51.	37.	39.	37.	46.	39		_	_	_	59.	59	55.	664.27	47.44
mber.	Inches Snow.	1	ì	Ġ.	4.	5.	1	တ်	i	0.5	5.5	4.	1	25	2.	36.5	2.6
November.	Inches Rain.	3.36	3 63	3.06	6.77	4.08	3 75	1.94	4.11	2.14	9.68	5.88	5.30	9,82	5.85	65.37	4.66
ber.	Inches Snow.	ı	ř	1	ı	1	1	i	1	1	4.	1	1	1	1	4.	1
October.	Inches Eam.	.83	5.19	7.34	4.44	2.19	2.87	5.75	6.45	3.37	7.04	3 89	6.20	5.03	8.17	68.76	4.91
nber.	Inches Snow.	1	1	1	1	1	1	ı	1	1	ı	1	1	1	ı	1	ı
September.	Inches- Rain.	3.50	1 25	3.68	2.57	66.	7.17	2.36	2 49	7.92	2.50	3 36	5.26	5.53	.23	18.79	3.48
ıst.	Inches wow.	1	1	1	1	ì	1	ì	1	1	1	1	1	ì	1	1	1
August.	Inches Rain.	7.12	9.19	3.39	2.36	2.44	4.20	3.19	4 28	6.05	1 97	11.38	10.71	35	4.06	69.02	5.04
y.	Inches Snow.	1	ì	1	1	1	1	1	ì	ı	1	1	1	1	1	1	1
July.	Inches Rain.	1.96		3.50		3.81	4.86	3,13	1.60	3.75	2.17	3.42	3.29	5.68	9.40	52.87	3.77
·6-	Inches Snow.	1	1	1	1	1	1	i	1	1	1	ı	ı	ı	ı	1	1
June.	Inches Rain.	4.93	4.15	1.92	3.14	2.37	5 29	1.31	1.25	3.35	3.16	3 53	1.01	3.05	4.19	42.65	3.04
×.	Inches Snow.	1	ı	1	ı	1	1	1	1	ı	1	1	1	1	1	1	1
May	Inches Kain.	3.24	1.73	3.67	3.23	5.85	1.63	6 82	3.56	7.50	4.73	3 15	4.45	6.78	1.64	58.96	4.21
-:	Inches Show,	1	10.	1	ı	1	ŧ	5.	1	13,	1	23.	1	1	ı	51.	8.8
April.	faches Rain,	2.82	3.13	.35	1.61	1.34	1.67	1.52	1.95	5.53	6.76	10.77	4.92	69 9	5.39	55.45	3.96
.h.	Inches Snow.	4.	23.	18.5	10.	1	တ	6.	ကံ	23.	18.	13.5	တဲ	ı	4.	139.	6 6
March	Inches Rain.	2 24	5.23	3 80	3.29	3 33	3.89	3.89	6.30	3 67	1.40	3.42	3.60	3.45	.23	47.74	3.41
ary.	Inches Snow.	65	3).	12.	20.	30.	17.	25.	14.5	2	1.5	11.5	11.	15.5	~; •	201.	14.3
February.	Inches Rain.	4.13	4 45	1.44	2 61	2 50	4.08	1.61	1.39	3.23	4.01	2.46	8.09	6 62	4.48	51.01	3.64
ury.	Inches Snow,	6.	7	13.5	12.	13.	5.	4.5	2.	15.	2 5	15.5	10.	7.5	6	116.5	& &
January.	Inches Rain.	1.35	5.05	3.14	4.17	2.02	4.66	3.08	86.	4 79	2.07	5.44	3.02	2.85	8.11	51.60	3.68
ber.	Inches Snow.	6.	26.	23.	~ •	13.	6	10.5	25.	8.5	23 5	5.5	4.	20.5	15.5	198.	14.1
December.	Inches Rain.	4.7.7	5 30	2.28	2 05	5 39	2.87	4.93	3.93	3.12	4 19	2.30	4.78	3 79	3.34	53.14 1	3.79
		•	•	•	•	•	•	•	•	:	•	•	•	•	•		
	YEAR	1841-2,	1842 - 3,	1843-4,	1844-5,	1845-6	1846-7,	1847-8,	1848-9,	1849-50	1850-1,	1851-2,	1852-3,	1853-4,	1854–5,	Sums,	Means,

The above Table, increasing in value as years are added, exhibits the mean quantity of Rain and Snow for each month, the yearly mean, and the amount fallen in each month and year during the past fourteen years.

EDWARD A. SMITH, Observer.

Flowering Season on the Hospital Hill for Seventeen Years.

	52.55.55.55.55.55.55.55.55.55.55.55.55.5
1855.	May Hill May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1854	Api 10, May 89, May 139, May 183, May 183, May 184, May 184, May 184, May 10, May 10, May 10, May 28, May 28, May 28, May 28, May 28, May 28,
1833.	Apl
1852.	Apl May 123, 99 Reg 111, 11, 11, 11, 11, 11, 11, 11, 11, 1
1851.	Apl 4, (22, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24
1850.	Api 10, 25, May 28, May 28, Api 10, 4, 28, 4, 28, 4, 28, 4, 4, 28, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
1849.	Apl 20, " 5, " 5, " 6, " 7, " 6, " 7, " 8, " 7, " 7, " 7, " 7, " 7, " 7
1348	Apl 10, 24, 22, 22, 22, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24
1847.	Api 24, May 94, May 124, May 1
1846.	Ap1 19. (1.15) (
1845.	Api 12, " 2 2, " 2 3, " 2 3, " 3 4, " 4 5, " 4 5, " 5 5, " 6 6, " 7 7, " 7 7, " 7 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 8 8, " 9 8, " 1 1
1844.	Api 16, 18, 23, 18, 27, 19, 10, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19
1843.	Api 14
1842.	April 16, 25, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
1841.	Apl 28, 24, 27, 27, 29, 29, 29, 29, 29, 29, 29, 29, 29, 29
1840.	April 1
1839.	April 8, 16, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18
ικς.	
UBS,	nnt,
SHR	t, '. 'ood, 't.
TREES, SHRUBS, &C.	Crocus, Liverwort, Leatherwood, Bloodwoot, Wind Flower Chery Tree, Peach Tree, Peach Tree, Peach Tree, Missouri Currant, Wild Chorry, Flowering Almond, Illar, Flowering Almond, Illar, Bondelion, Bondelion, Dandelion, Dandelion, Dandelion, Dandelion, Dandelion, Dandelion, Dandelion, Dandelion, Buryins Japonica, Ilyacitch, Persian Lilac, Persian Lilac, Persian Lilac, Rose, Russian, Rose, Russian, Horee Chesturt, Narcissus,





APR 25 39 W.P.A.



